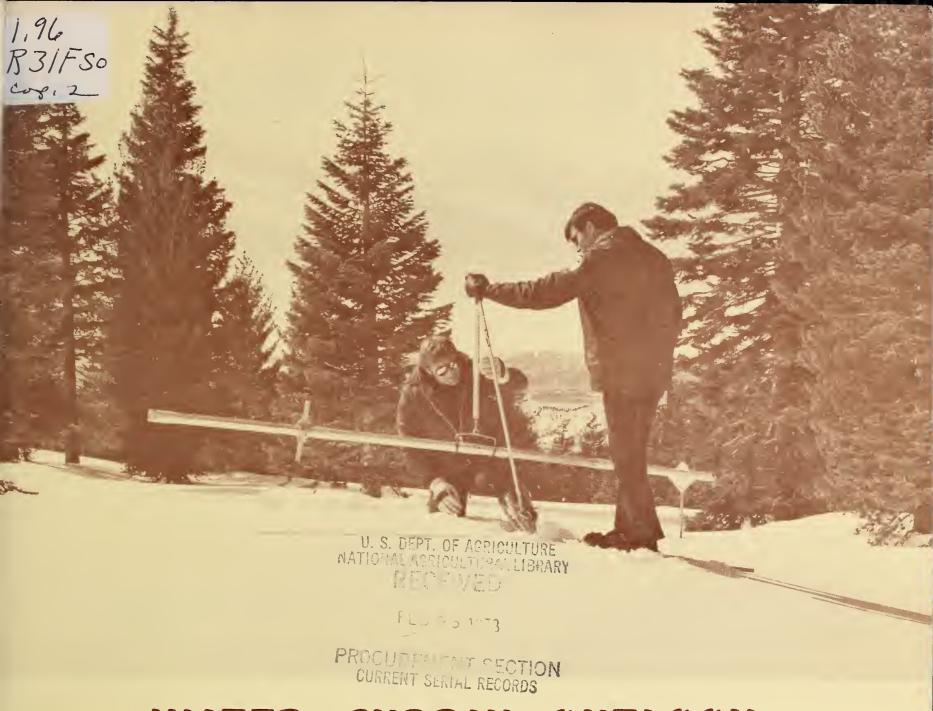
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Do not assume content reflects current scientific knowledge, policies, or practices.





WATER SUPPLY OUTLOOK FOR OREGON

Prepared by

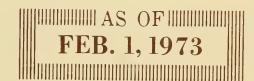
U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

OREGON STATE UNIVERSITY and

STATE ENGINEER of OREGON

Data included in this report were obtained by the agencies named above in cooperation with other Federal, State and private organizations.



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR OREGON

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued

FEBRUARY 8, 1973

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

A.J. WEBBER

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE PORTLAND OREGON

In Cooperation with

G. BURTON WOOD

DIRECTOR
OREGON AGRICULTURAL
EXPERIMENT STATION

CHRIS L. WHEELER

STATE ENGINEER STATE OF OREGON

Report prepared by

TOMMY A. GEORGE, Snow Survey Supervisor

and

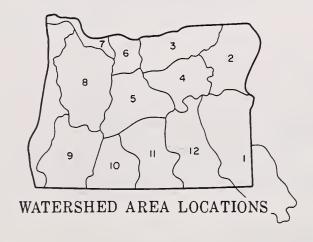
HOWARD M. VANCE, Assistant Snow Survey Supervisor

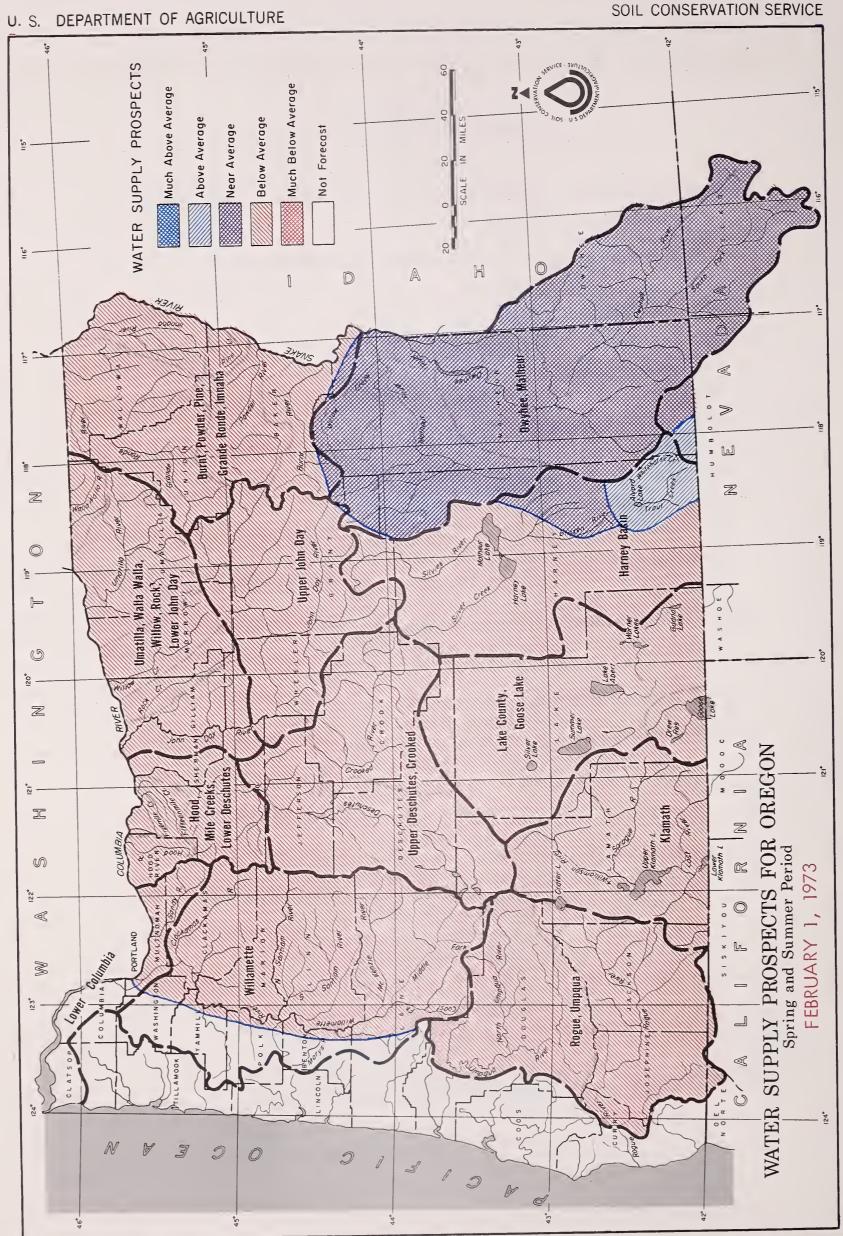
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WATER SUPPLY OUTLOOK for OREGON

FEBRUARY I, 1973

The water supply outlook for Oregon for this spring and summer ranges from much below average up to near average. Users with stored water available will have adequate supplies. Many users, dependent upon direct diversion from streams, will experience some shortages.

SNOW COVER

The mountain snowpack is near average only in Southeastern Oregon. It varies down to 40 to 50 percent of average on the Upper Grande Ronde, Umatilla, Hood, and most Willamette Valley Watersheds. The rest of the state has a snow cover generally 50 to 80 percent of normal.

PRECIPITATION

So far this winter the main storm track has been to the south of Oregon. As a result, precipitation during the November-January period has been near average only in extreme Eastern Oregon and 70 to 80 percent of average over the rest of the state.

SOIL MOISTURE

Soil moisture in the mountains is generally near average. This factor will not detract much from the snow melt runoff.

RESERVOIR STORAGE

Reservoir storage is excellent again this year. Good streamflow from the heavy snowpack of the past two years has allowed some carryover. Twenty-five major irrigation reservoirs are storing 2,188,400 acre feet of water. This is 128% of average.

STREAMFLOW

Streamflow for the October-January period has been excellent on the Owyhee River and near normal on those rivers and streams with spring and ground water contributions. Most streams, fed mainly by surface and overland flow, produced below average amounts during this period.

continued on next page

Prospective April-September streamflow for some representative streams are as follows:

	FORECASI
STREAM	As Percent of 1953-67 Average
Owyhee net Inflow	107
Malheur near Drewsey	98
Deschutes near Benham Falls	90
Grande Ronde near La Grande	64
Willamette, Mid. Fk. nr. Oakridge	65
Klamath Lake net Inflow	72
Rogue near Raygold	85
Silvies near Burns	88
John Day, Mid. Fk. near Ritter	70

This report contains data furnished by the Oregon State Engineer, U. S. Geological Survey, NOAA National Weather Service, and other cooperators.





WATER SUPPLY OUTLOOK OWYHEE, MALHEUR WATERSHEDS

OREGON

as of

February 1, 1973

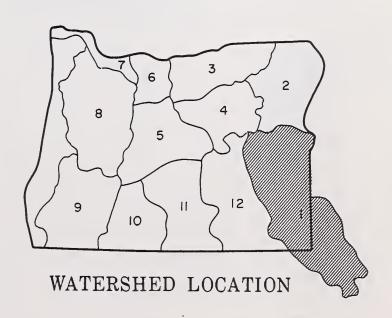
U. S. D. A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY ... OREGON STATE ENGINEER

GENERAL OUTLOOK

NEAR AVERAGE SPRING AND SUMMER WATER SUPPLIES ARE IN PROSPECT FOR MALHEUR COUNTY WATER USERS DEPENDING ON DIRECT DIVERSION. THOSE WATER USERS WITH ACCESS TO STORED WATER WILL HAVE EXCELLENT SUPPLIES. THE MOUNTAIN SNOWPACK VARIES FROM 85 PERCENT ON JORDAN CREEK TO 115 PERCENT ON THE OWYHEE. WINTER PRECIPITATION FOR THE NOVEMBER THRU JANUARY PERIOD IS 14 PERCENT ABOVE NORMAL. SOIL MOISTURE IS NEAR AVERAGE WHICH WILL ENHANCE SPRING RUNOFF. RESERVOIR STORAGE IS 50 PERCENT ABOVE AVERAGE IN THE AREA. THE OWYHEE INFLOW WAS 140 PERCENT OF AVERAGE DURING JANUARY.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Boulder Creek Bully Creek Cow Creek Jordan Creek Jordan Valley Irrig. Dist. McDermitt Creek Oregon Canyon Creek Owyhee Project Succor Creek Tenmile Creek Vale-Oregon Irrig. Dist. Warmsprings Irrig. Dist. Willow Creek (Reservoired)	Average Average Average Average Average Average Average Excellent Excellent Excellent Excellent Excellent	Fair Average Fair Average Fair Average Excellent Average Fair Average Average Average Average



T.A. GEORGE AND H.M. VANCE

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST. PORTLAND, OREGON 9720S

STREAMFLOW FORECASTS		THIS YEAR			PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND ACRE FEET			
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i		
Bully Creek at Warmsprings	11.5	100	March-May		11.4		
Jordan Creek above Lone Tree Creek	72	86	April-July		85 m		
	72	85	April-Sept.		85 ^m		
Malheur near Drewsey	103	93	FebJuly		111		
1	70	98 -	April-Sept.		72		
Malheur, North Fork at Beulah ^d	62	81	FebJuly		76		
,	48	87	April-Sept.		60		
Owyhee Reservoir net Inflow k	459	105	FebJuly	805	438		
	322	107	April-Sept.	504	300		
No. 100							
	+		+				
					-		

FORECAST DATE of LOW FLOW VALUES

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

				MEDERITOR STORAGE C		110. 1117	LINDO	HONTH
FORECAST POINT	Low Flow Value	; Jucan min	Average Date of Low Flow	RESERVOIR	Usable		sable Stora	ige
	Second/Ft.	Recede to Low Flow Value	Value		Capacity	This Year	Last Year	Average i
Owyhee near Rome	1000 250	June 15 June 30	May 24 June 20	Antelope Beulah Res. Bully Creek Owyhee Warmsprings	70.0 60.0 30.0 715.0 191.0	b 30.4 11.8 566.5 102.6	9.8 31.9 10.2 595.7 121.9	5.7 23.3 14.5 359.3 74.6

SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

JOIL MOISTONE				(COMPARISON WITH PREVIOUS Y	EARS)		
RIVER BASIN	Number of	THIS YEAR'S MOISTURE as PERCENT OF:		RIVER BASIN and/or	Number of Courses	THIS YEA	AR'S SNOW PERCENT OF
	Stations	Last Year	Average i	SUB-WATERSHED	Averaged	Last Year	Average i
Jordan Creek Malheur River Owyhee River	1 2 1	101 98 68	80 81 95	Jordan Creek Malheur River Owyhee River	4 5 4	35 55 55	85 95 115

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (l) Ground measurement. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS OREGON

as of February 1, 1973

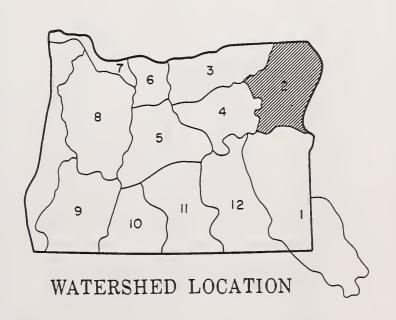
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OREGON STATE UNIVERSITY ... OREGON STATE ENGINEER

GENERAL OUTLOOK

WATER USERS IN NORTHEASTERN OREGON WILL HAVE BELOW AVERAGE TO AVERAGE WATER SUPPLIES DURING THE 1973 SEASON. WATER USERS DEPENDING ON DIRECT DIVERSION IN UNION COUNTY WILL EXPERIENCE SOME LATE SEASON SHORTAGES IF CURRENT CONDITIONS CONTINUE. MOUNTAIN SNOW COVER VARIES FROM 40 PERCENT ON THE UPPER GRANDE RONDE TO 90 PERCENT ON THE POWDER RIVER. PRECIPITATION DURING JANUARY WAS 68 PERCENT OF NORMAL AND 91 PERCENT FOR THE NOVEMBER THRU JANUARY PERIOD. SOILS ARE HOLDING NEAR NORMAL AMOUNTS OF MOISTURE. RESERVOIR STORAGE IS NEAR NORMAL. THE JANUARY FLOW OF THE GRANDE RONDE AT LA GRANDE WAS 49 PERCENT OF AVERAGE.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow F	eriod
STREAM or AREA	Spring Season	Late Season
Alder Slope Baker Valley Big Creek Clover Cr. (nr. N. Powder) Cove Durkee Eagle Valley Elgin Enterprise-Joseph Hereford-Bridgeport Imnaha River LaGrande-Island City Lostine-Wallowa No. Powder River-Wolf Creek Pine Valley Powder River-Elk Creek Summerville Sumpter Valley Union-Hot Lake Unity	Spring Season Average Average Average Average Average Average Average Fair Average Average Fair Average Average Average Average Average Fair Average Fair Average Fair Average Fair Average Fair Average Fair Average	



STREAMFLOW FORECASTS		THIS YEAR			PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND ACRE FEET			
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i		
D Wallana		0.4	A 1 . G				
Bear near Wallowa Burnt near Hereford d	55 39	84 82	April-Sept.		66		
burnt hear neverord	30	82	FebJuly April-Sept.		48 35		
Catherine near Union	53	83	April-Sept.		64		
Eagle Creek above Skull Creek	151	90	April-July		168 m=		
Eugle dron above onall dron	164	90	April-Sept.		182 m		
Grande Ronde at La Grande	134	64	March-Sept.		211		
	112	64	April-Sept.		175		
Hurricane near Joseph	41	89	April-Sept.		47		
Imnaha at Imnaha	251	82	April-Sept.		306		
Lostine near Lostine	106	85	April-Sept.		125		
Powder near Sumpter	39	73	April-July		54		
4	40	72	April-Sept.		56		
Wallowa, East Fork near Joseph a	12.0	90	FebSept.		13.4		
	11.8	90	April-Sept.		12.0		
	1						

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

DECEDIO	Usable	L	sable Stora	ige	RIVER BASIN	Number of Courses	THIS YE.	AR'S SNOW PERCENT OF
RESERVOIR	Capacity	This Year	Last Year_	Average i	and/or SUB-WATERSHED	Averaged	Last Year	Average i
Phillips Lake	73.5	51.9	50.8		Burnt River Grande Ronde River	4.	45	80
Thief Valley Unity	25.2	17.4	17.4		above La Grande	4	20	40
Wallowa Lake	37.5	10.7	11.2 20.6	8.8 21.6	Powder River Wallowa, Imnaha,	5	50	90
					Catherine Creek	6	55	80
					-			
					SOIL MOISTURE RIVER BASIN	Number of		'S MOISTURE CENT OF:
		-			NIVER SHEET	Stations	Last Year	Average
					Burnt, Powder Grande Ronde, Catherine	2	94	85
					Creek, Imnaha River	2	92	100

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS OREGON

as ofFebruary 1, 1973

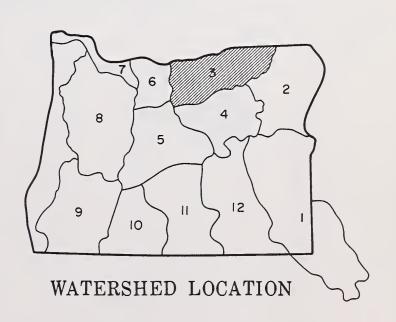
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GENERAL OUTLOOK

UMATILLA COUNTY WATER USERS WILL HAVE BELOW AVERAGE WATER SUPPLIES DURING THE SPRING AND SUMMER OF 1973. STREAMFLOW FORECASTS ARE 50 TO 65 PERCENT OF AVERAGE. THE SNOWPACK IS 40 TO 45 PERCENT OF AVERAGE. RAINFALL DURING JANUARY WAS 45 PERCENT OF AVERAGE AND 74 PERCENT OF AVERAGE FOR THE NOVEMBER THRU JANUARY PERIOD. SOILS ARE WELL WETTED AND WILL ENHANCE RUNOFF FROM THE SPRING PRECIPITATION. RESERVOIR STORAGE IS 72 PERCENT OF AVERAGE.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Walla Walla River, No. Fork	Fair	Fair
Walla Walla River, So. Fork	Fair	Fair
Walla Walla River, Main	Fair	Fair
Walla Walla River, Little	Fair	Fair
Couse Creek	Fair	Fair
Dry Creek	Fair	Fair
Pine Creek	Fair	Fair
Umatilla River, Main	Fair	Fair
Wildhorse Creek	Average	Fair
Umatilla R. (Cold Springs		İ
Reservoir)	Average	Fair
Umatilla R. (McKay Res.)	Average	Fair
McKay Creek	Fair	Fair
Birch Creek	Fair	Fair
Butter Creek	Fair	Fair
Willow Creek	Fair	Fair
Rhea Creek	Fair	Fair
Rock Creek (John Day		
Tributary)	Fair	Fair



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U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

	THIS YEAR	PAST RECORD			
FORE	CAST	FORECAST	THOUSAND ACRE FEET		
Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average 1	
19 12.0 8.1 18 49 40 135 70 57	65 65 65 50 50 65 89 85	FebJuly April-Sept. March-July April-Sept. March-Sept. April-Sept. March-Sept. March-Sept. April-Sept.		29 18.4 12.4 28 99 80 208 79 67	
	Thousand Acre Feet 19 12.0 8.1 18 49 40 135 70	FORECAST Thousand Acre Feet Percent of Average 19 65 12.0 65 8.1 65 18 65 49 50 40 50 135 65 70 89	Thousand Acre Feet Percent of Average PERIOD 19 65 FebJuly 12.0 65 April-Sept. 8.1 65 March-July 18 65 April-Sept. 49 50 March-Sept. 40 50 April-Sept. 135 65 March-Sept. 70 89 March-Sept.	FORECAST	

FORECAST DATE of LOW FLOW VALUES

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

				MESERADIK SIONAGE (nousunu	NU. 11.)	END OF	MONTH
FORECAST POINT	Low Flow Value	Forecast Date Stream Will Recede to Low	Average Date of Low Flow	RESERVOIR	Usable		sable Stora	ige
	Second/Ft.	Flow Value	Value		Capacity	This Year	Last Year	Average i
Umatilla at Pendleton	550	May 12	May 23	Cold Springs McKay	50.0 73.8	21.4	28.8 59.6	29.9 26.3

SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Number of Stations	as PERCENT OF:		and/or Courses		THIS YE. WATER AS Last Year	AR'S SNOW PERCENT OF Average i
Umatilla, Walla Walla, McKay Creek	3	120	110	McKay Creek Umatilla River Walla Walla River	3 3 2	15 15 20	40 40 45
			*				
			•				

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK UPPER JOHN DAY WATERSHEDS OREGON

as ofFebruary 1, 1973

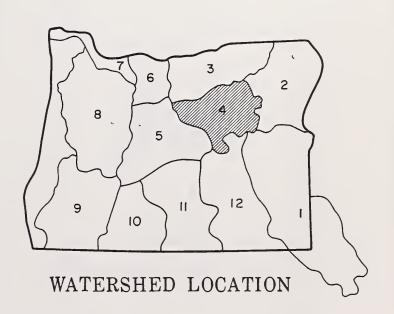
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GENERAL OUTLOOK

JOHN DAY RIVER WATER USERS WILL HAVE NEAR AVERAGE EARLY SEASON AND BELOW AVERAGE LATE SEASON WATER SUPPLIES. AREA STREAMS ARE FORECAST TO FLOW 70 TO 80 PERCENT OF AVERAGE. THE MOUNTAIN SNOWPACK IS 70 TO 80 PERCENT OF AVERAGE. PRECIPITATION IN THE AREA HAS BEEN 72 PERCENT OF AVERAGE DURING JANUARY AND 82 PERCENT DURING THE NOVEMBER THRU JANUARY PERIOD. SOILS ARE HOLDING NEAR NORMAL SUPPLIES OF MOISTURE FOR THIS TIME OF YEAR. THE JOHN DAY AT SERVICE CREEK FLOWED 73 PERCENT OF AVERAGE DURING JANUARY.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Beech Creek Beech Creek-Fox-Long Crs. Bridge-Mountain Creeks Camas Creek Cherry Creek Indian-Pine Creeks John Day River, Main Fork John Day River, Mid. Fork John Day River, N. Fork John Day River, S. Fork Monument-Kimberly Strawberry Creek	Average	Fair Fair Fair Fair Fair Fair Fair Fair



T.A. GEORGE AND H.M. VANCE

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

E FEET		
THOUSAND ACRE FEET		
Average i		
43		
35 51		
46		
135 116		
682		
5-89		
7.9 8.4		
0		

SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Number	THIS YEAR'	S MOISTURE CENT OF:	RIVER BASIN and/or	Number of	THIS YE WATER AS	AR'S SNOW PERCENT OF
	Stations	ions Last Year Average i SUB-WATERSHED		SUB-WATERSHED	Courses Averaged	Last Year	Average i
John Day abv. Dayville John Day, North Fork	6 2	98 98	93 96	John Day, North Fork John Day abv. Dayville	7 5	35 45	70 80

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK UPPER DESCHUTES, CROOKED WATERSHEDS OREGON

as ofFebruary 1, 1973

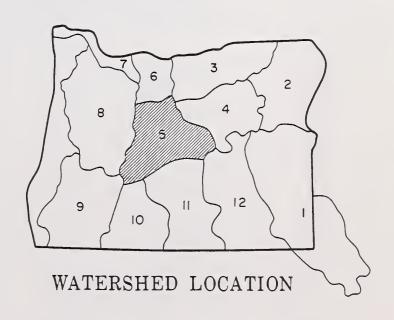
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GENERAL OUTLOOK

WATER USERS IN CENTRAL OREGON DEPENDING ON DIRECT DIVERSIONS WILL HAVE AVERAGE TO SLIGHTLY BELOW AVERAGE WATER SUPPLIES WHILE THOSE WITH ACCESS TO STORED WATER WILL HAVE EXCELLENT SUPPLIES. SNOW COVER RANGES FROM 60 PERCENT ON THE LITTLE DESCHUTES TO 70 PERCENT ON THE CROOKED, OCHOCO, AND DESCHUTES ABOVE WICKIUP. JANUARY RAINFALL WAS 84 PERCENT OF AVERAGE. SOIL MOISTURE STORAGE IS NEAR NORMAL. RESERVOIR STORAGE IS ABOVE AVERAGE. THE DESCHUTES AT MOODY FLOWED 99 PERCENT OF AVERAGE DURING JANUARY.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Arnold Irrigation District Bear Creek Beaver Creek Camp Creek Central Ore. Irrig. Dist. Crooked River Deschutes River Hay-Trout Creeks Lone Pine Irrig. Dist. Mill Creek North Unit Irrig. Dist. Ochoco Creek Sisters Irrigation Dist. Snow Creek Irrig. Dist. Squaw Creek Irrig. Dist. Swalley Ditch Tumalo Project Walker Basin Irrig. Dist.		



U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST.
PDRTLAND, OREGON 97205

STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD			
	FORE	CAST	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
	_					
Beaver Creek near Paulina	33	72	FebJuly		46	
	15	72	April-Sept.		20	
Crane Prairie Reservoir total Inflow	90	72	April-Sept.		126	
Crescent at Crescent Lake d	18	71	March-July		26	
	21	72	April-Sept.		28	
Crooked near Post	124	72	FebJuly		173	
	75	74	April-Sept.		101	
Deschutes at Benham Falls d	353	90	April-July		393	
	536	90	April-Sept.		596	
Deschutes below Snow Creek	60	76	FebSept.		79	
•	53	80	April-Sept.		66	
Deschutes, Little near La Pined	80	71	FebJuly		113	
	- 59	62	April-Sept.		95	
Ochoco Reservoir net Inflow	22	59	FebJuly		38	
	14	64	April-Sept.		23	
Odell near Crescent	22	72	April-Sept.		30	
Squaw near Sisters	44	86				
	l l	1	April-Sept.		51	
Tumalo near Bend d	43	87	April-Sept.		49	

FORECAST DATE of LOW FLOW VALUES

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

				WESTWARE (nousanu	nu. 11./	ENDOFN	10N I H
FORECAST POINT	Low Flow Value	Forecast Date Stream Will Recede to Low	Average Date of Low Flow	RESERVOIR	Usable	Usable Storage		
	Second/Ft.	Flow Value	Value		Capacity	This Year	Last Year	Average i
Crane Prairie net Inflow Crooked R. near Post Deschutes at Bend Little Deschutes near La Pine	* 100 * 400 200	May 23 May 30 June 20	June 1 June 7 July 8	Crane Prairie Crescent Lake Ochoco Prineville Wickiup	55.3 86.9 47.5 153.0 200.0	53.1 81.7 26.2 108.8 185.4	55.3 71.4 29.1 92.1 190.7	44.4 47.3 22.2 100.7 160.8
*To be issued April 1								

SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Canada and a contract of the c		VER BASIN of as PERCENT OF: and/or		of as PERCENT OF: and/or		Number of Courses		AR'S SNOW PERCENT OF
	Stations	Last Year	Average i	SUB-WATERSHED	Averaged	Last Year	Average i		
Crooked R., Upper - Deschutes River	2	90	90	Crooked, Ochoco Deschutes abv. Wickiup Little Deschutes Tumalo & Squaw Crs.	4 3 4 3	35 40 40 35	70 70 60 65		

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS

OREGON

as ofFebruary 1, 1973

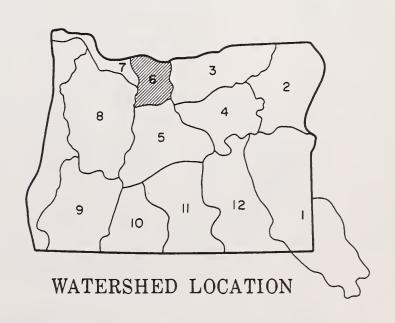
U. S. D. A. SOIL CONSERVATION SERVICE
OREGON STATE UNIVERSITY ... OREGON STATE ENGINEER

GENERAL OUTLOOK

HOOD RIVER AND WASCO COUNTY WATER USERS WILL HAVE AVERAGE TO BELOW AVERAGE WATER SUPPLIES THIS SPRING AND SUMMER. STREAMFLOW FORECASTS ARE ABOUT 70 PERCENT OF AVERAGE. THE MOUNTAIN SNOWPACK IS 50 PERCENT OF AVERAGE. JANUARY PRECIPITATION WAS 61 PERCENT OF AVERAGE AND RAINFALL FOR THE NOVEMBER THRU JANUARY PERIOD WAS 77 PERCENT OF AVERAGE. CLEAR LAKE (WASCO RESERVOIR) WAS HOLDING 7.2 THOUSAND ACRE FEET JANUARY 26.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow F	Period
STREAM or AREA	Spring Season	Late Season
Aldridge Ditch (Tony Creek) Badger Creek Dee Irrigation Dist. East Fork Irrig. Dist. Farmers Irrigation Dist. Hood River Irrig. Dist. Juniper Flat Middle Fork Irrig. Dist. Mile Creeks Mill Creek Mount Hood Irrig. Dist. Rock-Gate-Threemile Crs. Tygh Creek White River	Average	Fair Fair Average Average Average Fair Average Fair Average Fair Average Fair Average Average Average



T.A. GEORGE AND H.M. VANCE

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST. PORTLAND, OREGON 9720S

STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD			
	FORE	CAST	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
Hood River near Tucker Bridge Hood, West Fork near Dee White below Tygh Valley	197 232 98 111 90 99	70 69 70 69 70 69	April-July April-Sept. April-July April-Sept. April-July April-July April-Sept.		282 336 140 161 128 144	
	,					

FORECAST DATE of LOW FLOW VALUES

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

TOREGROY DATE OF LOW TROOP				KESEKTOIK	STURAGE (nousanu	NO. IL.	ENDOF	MONTH		
FORECAST POINT	Low Flow Value	Value Stream Will of Low Flow			RESERVOIR		Usable Usable		Usable Storage		
	Second/Ft.	Recede to Low Flow Value	Value		N.ESERVOIR		Capacity	This Year	Last Year	Average i	
Clear Branch Inflow	*33	Julv 15-31	**39		Clear Lake	e (Wasco)	11.9	7.5	7.2*	2.6	
*Average cfs forecast to flow for this 2-week period. **Average cfs for period of record.	÷										
									ĺ		

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

(CONTANTON WITH REPROSE FEMILE)							
RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF					
SUB-WATERSHED	Averaged	Last Year	Average l				
Hood River Mile Creeks White River	6 - 3	20 - 20	45 - 50				

SOIL MOISTURE

RIVER BASIN	Number of	THIS YEAR'S MOISTUR as PERCENT OF:		
	Stations	Last Year	Average 1	
Hood River, Mile Creeks	1	100		

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



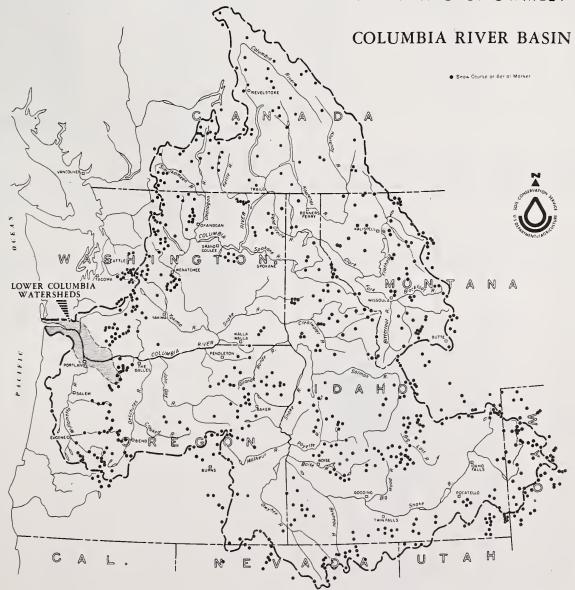
WATER SUPPLY OUTLOOK LOWER COLUMBIA WATERSHEDS OREGON

 $as\ of$ FEBRUARY 1, 1973

U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY ... OREGON STATE ENGINEER

GENERAL OUTLOOK

THE COLUMBIA BASIN SNOWPACK RANGES FROM A LOW OF 25 PERCENT OF NORMAL ON THE PALOUSE RIVER IN EASTERN WASHINGTON-WESTERN IDAHO TO A HIGH OF 140 PERCENT ON THE BRUNEAU RIVER IN SOUTHERN IDAHO. ON THE MAIN WATER PRODUCING AREAS OF BRITISH COLUMBIA AND WESTERN MONTANA, SNOW RANGES FROM NEAR 70 TO 90 PERCENT OF USUAL AMOUNTS. RESERVOIR STORAGE, EXCEPT ALONG THE WILLAMETTE RIVER, IS WELL ABOVE AVERAGE. SINCE FLOW OF THE COLUMBIA AT THE DALLES IS EXPECTED TO BE NEAR 20 PERCENT LESS THAN NORMAL, THERE IS NO PROSPECT OF ANY UNUSUAL HIGH WATER PROBLEMS DURING THE MAIN SPRING SNOWMELT PERIOD.



U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST.
PORTLAND, OREGON 9720S

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF			
SUB-WATERSHED	Averaged	Last Year	Average 1		
Sandy River	2	20	50		

STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND	ACRE FEET
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of		Last Year	Average
Columbia at The Dalles d	56,000 86,000	77 82	April-June April-Sept.		72,406 105,176
Sandy River near Marmot	251 289	70 70	April-July April-Sept.		359 413

HISTORICAL DATA (Columbia River at The Dalles)

	STREAMFLOW d(1,0)	PEAK ^e	
YEAR	APR.— SEPT.	APR. — JUNE	MAY - JUNE	(1,000 c.f.s)	DATE
1953	100,600	64,900	55,800	609	June 17
1954	119,500	70,500	59,300	561	May 23
1955	99,500	58,300	50,300	545	June 26
1956	131,400	96,900	75,800	815	June 3
1957	105,700	80,500	67,200	700	May 22
1958	97,700	72,000	58,600	593	May 31
1959	112,500	71,900	58,900	555	June 23
1960	97,000	64,000	48,000	442	June 6
1961	101,400	74,400	64,000	699	June 8
1962	94,600	64,100	49,200	460	June 5
1963	87,000	56,300	46,200	437	June 18
1964	109,020	70,739	61,313	662	June 18
1965	114,137	80,024	62,477	520	June 9
1966	87,268	58,120	45,922	396	June 12
1967	107,771	72,408	65,112	622	June 10
1953-67 Avg.	105,181	72,408	59,689	574	

LOWER COLUMBIA RIVER FLOOD STAGES (with 9.5' tide at Astoria)

				DRAINA	SE DISTRICT PUMI	PHOUSE		
VANCOUVER	FLOW AT	SANDY	SAUVIE ISL.	SCAPPOOSE	DEER ISL.	RAINIER	BEAVER	WOODSON
GAGE	THE DALLES				RIVER MILES			
(Weather Bu.)	(1,000 c.f.s)	118.9	96.0	91.0	77. 0	62.0	52.0	47. 0
35 (1894)	1210	41.2	34.2	33.3	28.5	21.9	17.5	15.5
34	1160	40.5	33.5	32.5	27.7	21.2	17.0	15.0
33	1100	39.6	32.4	31.4	26.7	20.2	16.1	14.3
32	1050	38.9	31.5	30.5	25.7	19.5	15.4	13.7
31 (1948)	1000	38.0	30.7	29.5	25.1	18.8	14.7	13.0
30	943	36.6	29.5	28.5	24.3	18,1	14.0	12.4
29	897	35.5	28.5	27.7	23.7	17.5	13.4	11.8
28	853	34.3	27.5	26.7	22.8	17.0	13.0	11.4
27 (1956)	811	33.0	26.5	25.6	21.8	16.2	12.5	11.0
26 (1950)	771	32.1	25.5	24.6	20.9	15.5	12.2	10.7
25	733	30.7	24.2	23.2	19.7	14.6	11.7	10.3
24	697	29.7	23.0	22.2	19.0	14.1	11.4	10.2
23	662	29.0	22.3	21.4	18.4	13.6	11.2	10.0
22	628	28.1	21.4	20.3	17.2	13.0	10.9	9.7
21	595	27.2	20.7	19.5	16.4	12.6	10.6	9.6
20 (1954)	564	26.2	19.8	18.6	15.5	12.1	10.2	9.4
19	534	25.5	19.2	18.0	15.0	11.8	10.0	9.3
18	501	24.4	18.3	17.2	14.3	11.4	9.8	9.1
17	479	23.4	17.4	16.4	13.7	11.0	9.6	8.9
16	452	22.4	16.5	15.5	13.0	10.5	9.3	8.7

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records.



WATER SUPPLY OUTLOOK WILLAMETTE WATERSHEDS OREGON

as ofFebruary 1, 1973

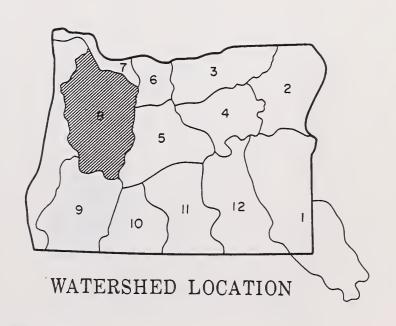
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OREGON STATE UNIVERSITY ... OREGON STATE ENGINEER

GENERAL OUTLOOK

WATER SUPPLIES IN THE WILLAMETTE BASIN WILL BE BELOW AVERAGE DURING THE 1973 SEASON. THE MOUNTAIN SNOWPACK VARIES FROM 30 PERCENT ON THE CLACKAMAS TO 55 PERCENT ON THE MIDDLE FORK OF THE WILLAMETTE. THE NOVEMBER THRU JANUARY RAINFALL WAS 84 PERCENT OF NORMAL AND 70 PERCENT FOR JANUARY. THE FLOW OF THE MIDDLE FORK OF THE WILLAMETTE WAS 78 PERCENT OF NORMAL DURING JANUARY.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Calapooya Clackamas McKenzie Molalla Santiam, North Santiam, South Willamette, Coast Fork Willamette, Middle Fork	Fair Fair Fair Fair Fair Fair Fair	Fair Fair Fair Fair Fair Fair Fair
	·	



T.A. GEORGE AND H.M. VANCE

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST. PORTLAND, OREGON 9720S

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD		
	FORECAST		FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
Clackamas at Estacada	447	65	April-July		689	
Glackamas at Estadad	570	71	April-Sept.		800	
Clackamas above Three Lynx	361	70	April-July		517	
C140N4	433	71	April-Sept.		610	
McKenzie at McKenzie Bridge	372	80	April-July		465	
	500	81	April-Sept.		614	
McKenzie near Vida	815	75	April-July		1087	
	1004	76	April-Sept.		1321	
McKenzie, So. Fork near Rainbow	180	81	April-July		· 221	
·	206	82	April-Sept.		252	
Oak Grove Fork above Power Intake	101	81	April-July		125	
	134	82	April-Sept.		163	
Row near Dorena	66	63	April-July		106	
,	70	64	April-Sept.		110	
Santiam, North at Mehama d	504	63	April-July		800	
·	576	64	April-Sept.		901	
Santiam, South at Waterloo	375	63	April-July		596	
	405	64	April-Sept.		633	
Willamette, Mid. Fk. blw. N. Fk. nr. Oakridge	471	65	April-July	890	725	
	554	67	April-Sept.	1011	828	
Willamette, No. Fk. of Mid. Fork near Oakridge	128	65	April-July		198	
,	146	67	April-Sept.		219	
Willamette at Salem ^d	2999	64	April-July		4696	
	3496	67	April-Sept.		5199	

SUMMARY of SNOW MEASUREMENTS

UMMAKT UT SNUM MEAS OMPARISON WITH PREVIOUS YE		•		RESERVOIR STORAGE (T	nousand l	AC. FL.	END OF M	IONTH
RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF		RESERVOIR	Usable Capacity		sable Stora Last	
SUB-WATERSHED	Averaged	Last Year	Average i		Capacity	This Year	Year	Average
Clackamas River	2	10	30	Blue River	85.6*	8.1	12.3	
McKenzie River	3	25	55	Cottage Grove	30.0*	3.0	2.7	2.5
Row River	2	- 20	45	Cougar	155.2*	4.1	48.1	
Santiam River	4	20	40	Detroit	299.9*	24.0	70.0	41.9
Villamette, Mid. Fk. 📢	5	30	55	Dorena	70.5*	6.8	23.8	9.6
				Fall Creek	115.0*	7.4	18.9	
				Fern Creek	94.2*	13.2	42.4	20.8
				Foster	30.0*	1.7	4.6	
				Green Peter	270.0*	27.6	82.7	
				Hills Creek	200.0*	18.1	83.0	22.4
				Lookout Point	337.2*	14.1	104.5	47.
				Timothy Lake	61.7	51.3	55.3	45.
				*Multiple purpose				
				reservoirspace				
				reserved primarily				
				for flood runoff.				

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK ROGUE, UMPQUA, WATERSHEDS OREGON

as ofFebruary 1, 1973

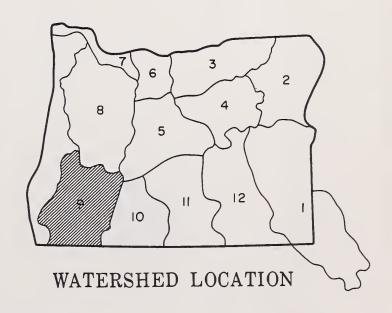
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GENERAL OUTLOOK

WATER SUPPLIES WILL GENERALLY BE NEAR AVERAGE TO BELOW AVERAGE THIS NEXT SUMMER. THE MOUNTAIN SNOWCOVER IS BELOW AVERAGE IN THE CASCADES AND MUCH BELOW AVERAGE IN THE SISKIYOUS. RESERVOIR STORAGE IS ABOVE NORMAL FOR THIS TIME OF YEAR. SUMMER STREAMFLOW WILL BE 70 TO 90 PERCENT OF AVERAGE. AT THIS TIME IT LOOKS AS THOUGH ONLY THOSE WATER USERS DEPENDENT ON DIRECT DIVERSION WILL EXPERIENCE SOME SHORTAGES.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

WAILK SOLLE OUTLOOK CEL	Flow	Flow Period			
STREAM or AREA	Spring Season	Late Season			
Althouse Creek	Fair	Fair			
Applegate River, Big	Fair	Fair			
Applegate River, Little	Fair	Fair			
Ashland Creek	Fair	Fair			
Butte Creek, Big	Fair	Fair			
Butte Creek, Little	Fair	Fair			
Cow Creek	Fair	Fair			
Deer Creek	Fair	Fair			
Elk Creek	Fair	Fair			
Emigrant Creek (abv. Res.)	Fair	Fair			
Evans Creek	Fair	Fair			
Gold Hill Irrigation Dist.	Average	Fair			
Grants Pass Irrig. Dist.	Average	Fair			
Grave Creek	Fair	Fair			
Illinois River, East Fork	Fair	Fair			
Illinois River, West Fork	Fair	Fair			
Jump-off-Joe Creek	Fair	Fair			
Neil Creek	Fair	Fair			
Red Blanket Creek	Fair	Fair			
Rogue River	Fair	Fair			
Sucker Creek	Fair	Fair			
Table Rock Irrig. Dist.	Average	Average			
Thompson Creek	Average	Average			
Wagner Creek	Fair	Fair			
Williams Creek	Fair	Fair			



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U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST. PORTLAND, OREGON 97205

STREAMFLOW FORECASTS		THIS YEAR			PAST RECORD .	
	FORECAST		FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feer	Percent of Average	PERIOD	Last Year	Average	
Applegate near Copper Clearwater above Trap Creek ^d Fourmile Lake net Inflow ^d Hyatt Reservoir net Inflow ^d Illinois River near Kerby Little Butte, N. Fk. at Fish Lake nr. Lake Cr. ^d Little Butte, S. Fk. near Lake Creek Rogue above Prospect Rogue, South Fork near Prospect ^d	94 73 4.1 2.9 153 158 10.4 29 c 223 55 64	67 100 100 58 b 75 75 72 83 82 89 86	April-Sept. April-Sept. April-Sept. April-July April-Sept. April-Sept. April-Sept. April-July April-July April-July April-July April-July April-July April-July		140 73 4.1 5.2 205 211 14.4 33 269 62 74	
Rogue at Raygold near Central Point Rogue at Grants Pass Umpqua, No. blw. Lemolo Res. nr. Toketee Falls d	663 800 799 150	85 85 85 85	April-Sept. April-Sept. April-Sept. April-Sept.	931 1132	781 941 940 176	

FORECAST DATE of LOW FLOW VALUES

RESERVOIR	STORAGE	(Thousand	Ac.	Ft.)	END OF MONTH
-----------	---------	-----------	-----	------	--------------

				RESERVUIR STURAGE (LND OI	HONTH
FORECAST POINT	Low Flow Value	Forecast Date Stream Will Recede to Low	Average Date of Low Flow	RESERVOIR	Usable		sable Stora	ge
	Second/Ft.	Flow Value	Value		Capacity	This Year	Last Year	Average 1
Little Butte Creek, South Fork Rogue at Raygold	100 1200	May 21 July 23	May 27 Aug. 7	Emigrant Lake Fish Lake Fourmile Lake Howard Prairie Hyatt Prairie *Average for years of record after reconstruction.	39.0 8.0 16.1 60.0 16.1	22.1 8.0 11.1 43.8 9.1	23.9 8.1 11.7 53.8 15.4	22.4* 5.5 9.6 32.4 9.8

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN	Number of		AR'S SNOW
and/or	Courses		PERCENT OF
SUB-WATERSHED	Averaged	Last Year	Average i
Applegate Bear Creek Butte Creek Illinois River North Umpqua Rogue River	3	40	60
	2	50	50
	4	45	85
	3	55	70
	3	30	50
	6	45	75

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-6, adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK KLAMATH WATERSHEDS OREGON

as ofFebruary 1, 1973

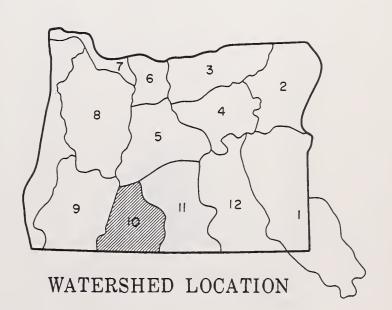
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GENERAL OUTLOOK

KLAMATH COUNTY WATER USERS WITH STORED WATER AVAILABLE SHOULD HAVE ADEQUATE SUPPLIES THIS COMING SUMMER. THOSE USERS DEPENDENT ON DIRECT DIVERSIONS WILL EXPERIENCE SOME SHORTAGES. MOUNTAIN SNOW COVER IS BELOW AVERAGE. WINTER PRECIPITATION THIS YEAR HAS BEEN ABOUT 75 PERCENT OF NORMAL. STREAMFLOW TO DATE HAS BEEN NEAR AVERAGE BUT FLOWS THIS SPRING AND SUMMER ARE FORECAST TO BE ABOUT 75 PERCENT OF NORMAL.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Ft. Klamath Valley Lost River (Clear Lake) Lost River (Gerber) Lost River (Willow Res.) Sprague River Upper Klamath Lake Williamson River	Fair Average Average Average Fair Average Fair	Fair Average Average Average Fair Fair



T.A. GEORGE AND H.M. VANCE

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD			
	FORE	CAST	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i	
Clear Lake Reservoir Inflow ^k Gerber Reservoir Inflow ^k Sprague near Chiloquin Upper Klamath Lake net Inflow ^k Williamson below Sprague River	71 34 271 185 755 445 476 332	80 79 67 63 76 72 70 70	FebJuly FebSept. April-Sept. FebSept. April-Sept. April-Sept. FebSept. April-Sept.	1202 599	88 43 403 296 994 619 680 475	

SOIL MOISTURE

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RIVER BASIN	Number	THIS YEAR'S	MOISTURE ENT OF:	RESERVOIR	Usable	ı	Jsable Stora	ge
,	Stations	Last Year	Average i	RESERVOIR	Capacity	This Year	Last Year	Average
Upper Klamath	1	96	95	Clear Lake Gerber Upper Klamath Lake	440.2 94.0 584.0	297.9 54.5 410.4	302.0 62.6 406.1	206.3 39.2 360.9
						-		
				SUMMARY OF SNOW M (COMPARISON WITH PREVIOUS RIVER BASIN and/or		r of	THIS YEAR	'S SNOW
				SUB-WATERSHED	Averag		st Year	Average
				Lost River Sprague River Upper Klamath Williamson River	3 3 8 3		45 45 40 40	85 60 60 60

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK LAKE COUNTY, GOOSE LAKE WATERSHEDS OREGON

as of

February 1, 1973

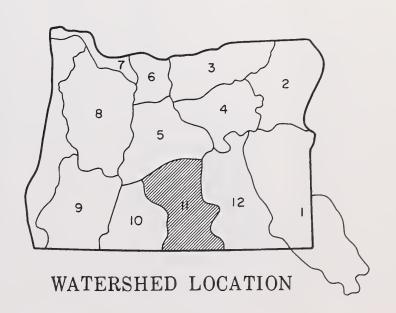
U.S.D.A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY ... OREGON STATE ENGINEER

GENERAL OUTLOOK

THE WATER SUPPLY OUTLOOK THIS MONTH FOR LAKE COUNTY IS VARIABLE. NEAR AVERAGE SUPPLIES ARE FORECAST FOR STREAMS HEADING IN THE WARNER MOUNTAINS, WHILE BELOW AVERAGE SUPPLIES ARE SEEN FOR THE WESTERN AND NORTHERN PARTS OF THE COUNTY. IRRIGATORS WITH STORED WATER AVAILABLE SHOULD HAVE ADEQUATE SUPPLIES. THE SNOW COVER RANGES FROM 120% ON TWENTYMILE CREEK DOWN TO 50% ON SILVER CREEK. PRECIPITATION SO FAR THIS WINTER HAS BEEN ABOUT 70% OF NORMAL. MOUNTAIN SOILS ARE WELL WETTED AND THIS FACTOR SHOULD HELP CONTRIBUTE TO THE SNOWMELT RUNOFF. FORECASTED SPRING AND SUMMER STREAMFLOW VARIES FROM A HIGH OF 100% OF AVERAGE ON TWENTYMILE CREEK DOWN TO 50% ON SILVER CREEK.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow F	Perìod
STREAM or AREA	Spring Season	Fair Fair Average Fair Fair Fair Fair Fair
Chewaucan River	Fair	Fair
Crooked Creek	Fair	Fair
Deep Creek	Average	Average
Dry Creek	Fair	Fair
East Side Goose Lake	Fair	Fair
Guano Lake	Average	Fair
Honey Creek	Average	Fair
Lakeview Water Users Assn.	Average	Average
Rock Creek (Hart Mountain)	Fair	Fair
Silver-Buck Creeks	Fair	Fair
Summer Lake	Average	Fair
Thomas Creek	Fair	Fair
Twentymile Creek	Average	Fair
Warner Lakes	Average	Fair



T.A. GEORGE AND H.M. VANCE

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST. PORTLANO, OREGON 97205

STREAMFLOW FORECASTS			THIS YEAR	PAST RECORD		
		FORE	CAST	FORECAST	THOUSAND A	CRE FEET
BASIN, STREAM and/or FORECAST PO	DINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i
Chewaucan near Paisley Deep above Adel Drews Reservoir net Inflow ^d Honey Creek near Plush Silver Creek near Silver Lake Twentymile near Adel		67 68 29 16.0 10.0 24	75 93 63 89 49 100	March-July March-July March-July March-July March-July March-July	117	89 73 46 18.0 21 24

SOIL MOISTURE

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RIVER BASIN	Number	THIS YEAR'	S MOISTURE CENT OF:	RESERVOIR	Usable		sable Stor	age
MVEN BY SILV	Stations	Last Year	Average i	NESEKYOIK	Capacity	This Year	Last Year	Average i
Chewaucan, Silver Creek, Drew Creek Honey, Deep, 20-Mi. Cr.	1	96 104	95 107	Cottonwood Drews Thompson Valley *Average for years of record (in base period) after reconstruction.	8.7 63.0 19.5	1.7	1.6 44.2 	2.1*
·				SUMMARY of SNOW ME (COMPARISON WITH PREVIOUS RIVER BASIN and/or SUB-WATERSHED Chewaucan River	Number Cours Averag	r of WA	st Year	Average i 60
				Deep Creek Drew Creek Honey Creek Silver Creek Twentymile Creek	3 3 3 3 2		45 45 40 30 75	85 80 75 45 120

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



WATER SUPPLY OUTLOOK HARNEY BASIN WATERSHEDS **OREGON**

as of

February 1, 1973

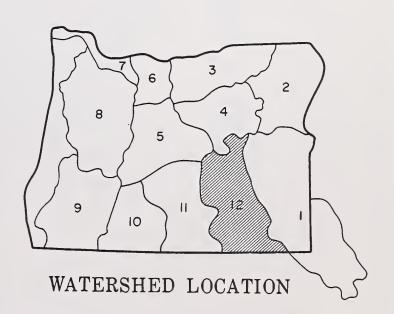
U. S. D. A. SOIL CONSERVATION SERVICE OREGON STATE UNIVERSITY ... OREGON STATE ENGINEER

GENERAL OUTLOOK

AVERAGE TO SLIGHTLY BELOW AVERAGE IS THE WATER SUPPLY OUTLOOK FOR HARNEY COUNTY. THE SNOW COVER GENERALLY RANGES FROM 60 PERCENT OF AVERAGE ON SILVER CREEK UP TO AVERAGE IN THE STEENS MOUNTAINS. PRECIPITATION FOR THE NOVEMBER-JANUARY WINTER WAS NEAR NORMAL BUT WAS ONLY 62% OF AVERAGE DURING JANUARY. MOUNTAIN SOIL MOISTURE IS SLIGHTLY BELOW AVERAGE AND WILL DETRACT SOME FROM THE SNOWMELT RUNOFF. SPRING AND SUMMER STREAMFLOW WILL BE BELOW AVERAGE IN THE NORTHERN PART OF THE COUNTY AND AVERAGE TO ABOVE IN THE SOUTHERN PART.

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	Flow P	eriod
STREAM or AREA	Spring Season	Late Season
Catlow Valley	Average	Fair
Cow Creek	Fair	Fair
Donner und Blitzen River	Average	Average
Mill-Coffeepot Creeks	Fair	Fair
Rattlesnake Creek	Fair	Fair
Silver Creek	Fair	Fair
Silvies River	Fair	Fair
Soldier-Prather Creek	Fair	Fair
Trout Creek	Excellent	Average
Whitehorse Creek	Excellent	Average



Report prepared by .

T.A. GEORGE AND H.M. VANCE

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

1218 S.W. WASHINGTON ST. PORTLAND, OREGON 97205

STREAMFLOW FORECASTS		THIS YEAR	3	PAST RECORD			
	FORE	CAST	FORECAST	THOUSAND ACRE FEET			
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average i		
Donner und Blitzen near Frenchglen	52	92	March-July		57		
Donner und Blitzen hear Frenchgien	51	92	April-Sept.		55		
Silver near Riley	13	72	April-July		17.9		
Silvies River near Burms	87	86	March-July	,	101		
	73	88	April-Sept.		83		
Trout Creek near Denio	9.7	127	March-July		7.7		

SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Number of	THIS YEAR'S as PERCI	MOISTURE ENT OF:	RIVER BASIN and/or	Number of Courses	THIS YE WATER AS	AR'S SNOW PERCENT OF
	Stations	Last Year	Average i	SUB-WATERSHED	Averaged	Last Year	Average i
Silvies River, Silver Cr. Trout Cr., Donner und Blitzen River	Stations 3 c	91			Averaged 4 3 4 3		

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

BASIC DATA SUPPLEMENT 1

FEBRUARY 1, 1973

OWYHEE, NALHEUR NATERSHEDS Antelope Ridge (fda.) 1/50 18 5.7 13.4 3.4 5 Sate Creek* (Nev.) 1/27 12 2.7 5.9 2.8 6 Sate Ridge (Rev.) 1/28 15.2 20.4 11.3 5 Sate Mountain Springs 1/50 34 10.3 18.5 1 10.4 4 Sate Sture* 1/50 17 3 40.5 18.5 1 10.4 4 Sate Sture* 1/50 17 5 1.5 10.4 11.3 6 Sate Sture* 1/50 18 5.7 13.4 2.8 13.5 7 1/50 18 1.5 10.4 11.3 6 Sate Sture* 1/50 18 18 1.2 20.8 13 Sate Sture* 1/50 18 18 18 1.2 20.8 13 Sate Sture* 1/50 18 18 1.2 20.8 13 Sate Sture* 1/50 18 18 18 1.2 20.8 13 Sate St	SNOW	TH	IIS YE	AR	PAST	REC.	SNOW	TI	HIS YE	AR	PAST	REC.
OWYHEE, MALHEUR NATESHEDS VATE LOPE Ridge (Ida.) 1/50 18 5.7 13.4 3.4 5 1 10/10 12 12 2.7 5.9 2.8 1 10/10 12 12 2.7 5.9 2.8 1 10/10 12 12 2.7 5.9 2.8 1 10/10 12 12 12 12 12 12 12 12 12 12 12 12 12	DRAINAGE BASIN and/or SNOW COURSE	of	Depth	Cont	(inc	hes)	DRAINAGE BASIN and/or SNOW COURSE				(inc	hes)
Intellope Ridge Ida.		Survey	(ln.)	(ln.)	Yr.	Avel		Survey	(ln.)	(ln.)	Yr.	Ave.
Intellige Ridge Clad.	OWYHEE, MALHEUN	l R WATE I	l ERSHE I			h				RONDE		
Sear Creck * (Nev.)	Antelope Ridge (Ida.)							1	1	18 6	31 0	24 0
Name							1	1			1	1
310 Mountain Springs 1/30 34 10.3 18.1 10.4 18.1 10.4 18.2 19.5			1			1 1			1	1		16.4
Suckskin, Upper (Nev.) c suckskin, Upper (Nev.) suckskin, Upper (Nev.) suckskin, Upper (Nev.) suckskin, Upper (Nev.) suc	Blue Mountain Springs					10.4	Bald Mountain (Ore.)		1			16.7
Buckskin, Lower (Nev.) c Sall Basine* (Ida.) 1/27 8 1.8 1.2 0.9" Sall Basine* (Ida.) 1/27 12 2.7 2.0 2.1" Call Meadow* Call Meadow* Columbia Basin* (Nev.) 2/1 28 10.3 11.8 2.1" Cottomwood-Indian* 1/27 12 2.7 2.2 2.1" Cottomood-Indian* 1/27 12 2.7 1.6 1.0" Cottomwood-Indian* 1/28 1.6 1.8 1.0" Cottomwood-Indian* 1/29 14 2.5 1.5" Cottomwood-Indian* 1/20 28 6.8 14.2 2.5" Co	Blue Mtn. Springs Pillow*								1			6.
Buckskin, Upper (Nev.) c	•	1	3	0.6	2.0	1.6					1	1
Ball Basin [#] (Ida.)		1										1
Sally Creek (Nev.)		1	8	1.8	1.2	0.9 **	1					10.3
Call Meadows	Bully Creek ^e		12	2.7	2.0							4.
Endermove od-Indian	Call Meadow e								1	1	1	5.
Crame Prairie Disaster Peak (Nev.) Eldorado Pass Index Greek (Nev.) Il 228 7.3 7.2 1 Eish Creek (Nev.) Eldorado Pass Il 228 7.3 7.2 1 Eldorado Pass Eldorado Pass Il 228 7.3 7.2 1 Eldorado Pass Eldorado Pass Il 228 7.3 7.2 1 Eldorado Pass Eldorado Pass Il 228 7.3 7.2 1 Eldorado Pass Eldorado Pass Il 228 7.3 7.2 1 Eldorado Pass Eldorado Pass Il 228 7.3 7.2 1 Eldorado Pass Il 229 2.5 8.3 8.8 8.8 1.7 Eldorado Rov.) Il 229 12 5.8 8.8 8.8 1.7 Eldorado Rov.) Il 229 12 5.8 8.8 8.8 1.7 Eldorado Rov.) Il 229 12 5.4 10.5 5.1 8 Eldorado Rov.) Il 229 12 5.4 10.5 5.1 8 Eldorado Rov.) Il 229 12 5.4 10.5 5.1 8 Eldorado Rov.) Il 229 13 5.4 9.1 8 Eldorado Rov.) Il 229 14 5.4 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1			1					1	1	i	1	
Disaster Peak (Nev.) c c deliatorado Pass 1/30 1 2.4 4.2 2.5 5 14.4 6 1.5 6 1.5 6 1.5 6 1.5 6 1.5 6 1.5 6 1.5 6 1.5 6 1.5 6 1.5 6 1.5 1.5 6 1.5 6 1.5 1.5 6 1.5 1.		1	,12	2./	1.0	1.0	·				1	
Eldorado Pass									1			23.
Fish Creek Fish Creek Fish Creek Pillow*	Eldorado Pass	1/30	11	2.4	4.2	2.5^{h}			24	6.0	13.2	-
Fish Creek Pillow*	Fawn Creek (Nev.)		1	ı		3			1			7.9
Flag Prairie* 1/27		1	60	16.8	25.5				1			-
Fox Creek (Nev.) Fry Canyon (Nev.) 1/29 14 3.8 8.3 3.6 Granite Peak (Nev.) 1/29 14 12.1 11.6 8.35 Hyde Pasturre* (Ida.) 1/27 12 2.7 9.2 3.8* Jack Creek, Lower (Nev.) 2/1 Jack Creek, Lower (Nev.) 2/1 Jack Creek, Lower (Nev.) 1/27 21 2.4 6.2 8.4 5.15 Jack Creek, Lower (Nev.) Jack Creek, Lower (Nev.) Jack Creek, Lower (Nev.) Jack Creek, R.S. Laurel Draw (Nev.) Lake Creek R.S. Laurel Draw (Nev.) Lose Creek (Nev.) Lose Canyon* Martin Creek (Nev.) Midsa* (Nev.) Midsa* (Nev.) Midsa* (Nev.) Midsa* (Nev.) Midsa* (Nev.) Midsa* (Nev.) Red Canyon* (Ida.) 1/50 19 4.0 8.2 3.44 Dregon Canyon* Rodeo Flat (Nev.) 1/27 12 2.7 7.0 5.9 3.2* Rodeo Flat (Nev.) 1/27 12 2.7 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7		1	1 12	27					1		1	ł
Try Canyon (Nev.)		1	12	2.7	5.9	2.5						1
1/29 14 5.8 8.5 5.6 Noss Spring 1/30 58 10.8 26.2 14.		1	23	5.8	9.8	4.7						44.
1/29 1/27 1/2 2.7 9.2 3.8	Gold Creek (Nev.)		14	3.8		3.6	Moss Spring					14.
Jack Creek, Lower (Nev.) C 2/1 24 6.2 8.4 5.1 h 5 5 1 6 0.8 7.2 3. 3 3 3 6 0.8 7.2 3. 3 3 3 3 3 3 3 3	Granite Peak (Nev.)		1	l .					1			
Dack Creek, Upper			12	2.7	9.2	3.8"						
Jack Peak (Nev.) Lake Creek R.S. Lavrel Draw (Nev.) b logan Valley (1/20) Logan Valley (1/27) Logan Valley (1/27) Logan Valley (1/27) Louse Canyon (1/27) Martin Creek (Nev.) Merritt Mountain (Nev.) Midas (Nev.) Midas (Nev.) Midas (Nev.) Midas (Nev.) Moregon Canyon (1/27) Logan Valley (1/27) Logan Valley (1/27) Martin Creek (Nev.) Martin Creek (N	Jack Creek, Lower (Nev.)		21	6.2	0 1							
Lake Creek R.S. Laurel Draw (Nev.) Laurel Draw (Nev.) Logan Valley* Lookout Butte* Louse Canyon* Martin Creek (Nev.) Merritt Mountain* (Nev.) Midas* (Nev.) Midas* (Nev.) Midas* (Nev.) Oregon Canyon* Quinn Ridge* (Nev.) Red Canyon* (Ida.) Rock Spring Rodeo Flat (Nev.) Silvies* 1/27 12 2.7 7.0 5.9 3.2 m Silvies Pillow* South Mountain #2 (Ida.) Stip Mountain #2 (Ida.) Stag Mountain #2 (Ida.) Tramewan Manch (Nev.) Traingle (Ida.) Tramewan Ranch (Nev.) Traingle (Ida.) Trout Creek* Name Teagle*		1	24	0.2	0.4	3.1			. 1	1		
Laurel Draw (Nev.) Logan Valley *		1/30	24	4.9	12.0	7.0 h		1/30	26	5.8	13.2	
Lookout Butte	Laurel Draw (Nev.)	b			12.7	4.8 h	Tipton Snow Pillow*	1	Į.			
Louse Canyon Martin Creek (Nev.) 1/29 29 7.3 9.0 5.7h Martin Creek (Nev.) 2/1 18 4.5 11.7 - Midas (Nev.) 2/1 18 4.5 11.7 - Midas (Nev.) 2/1 9 1.9 7.0 - Martit Mountain (Nev.) 1/27 27 7.0 5.9 3.2 m Oregon Canyon (Nev.) 1/27 12 2.7 7.0 5.9 3.2 m Quinn Ridge (Nev.) 1/27 12 2.7 2.0 1.5 m Red Canyon (Ida.) 1/27 21 5.5 8.4 4.2 m Rock Spring 1/29 13 4.0 6.5 3.8 Rodeo Flat (Nev.) 2/1 32 8.3 17.7 6.1 m Silver City (Ida.) 1/31 27 6.7 20.7 9.2 h Silvies (Nev.) 2/1 32 8.3 17.7 6.1 m Silvies Pillow* 6	Logan Valley ^e							1		7.5	32.3	15.9
Martin Creek (Nev.)			1	0.1			TV Ridge	2/1	34	9.5	11/.5	
Merritt Mountain * (Nev.)		1	20	7 7			*Manometer reading					
Midds (Nev.)				1		1 1	Transmeter reading.		1.			
Mud Flat (Ida.) 0regon Canyon e 1/27 27 7.0 5.9 3.2 m Quinn Ridge e (Nev.) 1/27 12 2.7 2.0 1.5 m Red Canyon e (Ida.) 1/27 21 5.5 8.4 4.2 m Rock Spring 1/29 13 4.0 6.5 3.8 Rodeo Flat (Nev.) 1/29 19 4.9 8.8 4.2 m Rock Spring 1/21 2.7 2.7 10.8 8.3 17.7 6.1 m Ridge e (Nev.) 2/1 32 8.3 17.7 6.1 m Ridge e (Nev.) 1/29 19 4.9 8.8 4.2 m Rodeo Flat (Nev.) 1/21 2.7 10.8 8.3 17.7 6.1 m Ridge e (Ida.) 1/21 2.7 10.8 8.3 17.7 6.1 m Ridge e (Ida.) 1/21 2.7 10.8 6.4 m Ridge e (Ida.) 1/22 2.7 10.8 6.4 m Ridge e (Ida.) 1/25 2.4 6.4 17.0 7.3 Stag Mountain #2 (Ida.) 1/26 2.4 6.4 17.0 7.3 Stag Mountain e (Nev.) 2/1 24 6.2 6.3			1									
Quinn Ridge (Nev.)	Mud Flat (Ida.)					3.4 m						
Red Canyon (Ida.) Rock Spring Rodeo Flat (Nev.) Rodeo Manutain Summit (New Nountain Sumit (New Nountain							OFERTIBER, WILDER WILL				CK,	
1/29 13 4.0 6.5 3.8 Arbuckle Mountain 1/31 16 3.4 17.1 7. 7.5 7.					1			WATER	RSHEI)S I	1	
Rodeo Flat (Nev.) 76 Creeke (Nev.) Silver City (Ida.) Silvies Fillow* South Mountain #2 (Ida.) Stinking Water Succor Creeke (Ida.) Taylor Canyon (Nev.) Toe Jame (Nev.) Triangle (Ida.) Trout Creeke (Ida.) Trout Creeke (Ida.) Trout Creeke (Ida.) War Eagle (Ida.) War Eagle (Ida.) Nar Eagle (Ida.) To Canyon (Ida.) Toe Jame (Ida.) Nar Eagle (Ida.) Nar Eagle (Ida.) Toe Jame (Ida.) Trout Creeke Summit Trout Cre								1/31	16	3.4	17.1	7.
76 Creek (Nev.) Silver City (Ida.) Silvies 5 Silvies 7 1/27 12 2.7 10.8 6.4 h Silvies Pillow* South Mountain #2 (Ida.) Stinking Water Succor Creek 6 (Ida.) Taylor Canyon (Nev.) Triangle (Ida.) Trout Creek 7 Vaught Ranch (Ida.) War Eagle 6 (Ida.) Nar Eagle 6 (Ida.) Silvies 6 1/31 27 6.7 20.7 9.2 h Sal 17.7 6.1 h Battle Mountain Summit Blue Mountain Camp Butte Creek Summit Butte Creek Summi						4.2	Arbuckle Mtn. Pillow*		-			
Silvies e	76 Creek ^e (Nev.)	2/1	32			6.1^{h}_{l}	Battle Mountain Summit					
Silvies Pillow* South Mountain #2 (Ida.) Stag Mountaine (Nev.) Stinking Water Succor Creeke (Ida.) Taylor Canyon (Nev.) Tremewan Ranch (Nev.) Triangle (Ida.) Trout Creeke Vaught Ranche (Ida.) War Eaglee (Ida.) Silvies Pillow* 1/26 24 6.4 17.0 7.3 1/27 8 1.9 4.2 2.6 4.2 2.6 4.4 7.3 1/27 7.8 4.4 7.8 4.4 7.8 4.4 7.8 4.4 7.8 4.4 7.8 4.4 7.8 4.4 7.8 7.3 4.4 7.8 4.4 7.8 7.3 8.9 8.1 1/30 1/29 10 1/30 1/29 10 1/30 1/29 10 1/30 1/29 10 1/30 1/27 1.4 1.1 1.2 1.2 1.2 1.3 1.3 1.4 1.1 1.2 1.2 1.3 1.4 1.1 1.2 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.4	Silver City (Ida.)					9.2^n	Blue Mountain Camp		14	4.8	1	
South Mountain #2 (Ida.) Stag Mountain e (Nev.) Stinking Water Succor Creek (Ida.) Taylor Canyon (Nev.) Toe Jam (Nev.) Tremewan Ranch (Nev.) Triangle (Ida.) Trout Creek (Ida.) Trout Creek (Ida.) Trout Creek (Ida.) War Eagle (Ida.) War Eagle (Ida.) 1/27 21 5.5 5.9 Namight Ranch (Nev.) 7.3 High Ridge Pillow* Lucky Strike Pillow* Lucky Strike Pillow* Neacham Tollgate Weston Mountain *Manometer Reading. *Manometer Reading. 36.0 - Lucky Strike Pillow* 1/30 - 4.2 21.2 - Meacham Tollgate Weston Mountain *Manometer Reading.			12	2.7					2	0.2	1	1
Stag Mountain (Nev.) Stinking Water Succor Creek (Ida.) Taylor Canyon (Nev.) Tremewan Ranch (Nev.) Triangle (Ida.) Trout Creek (Ida.) Trout Creek (Ida.) Var Eagle (Ida.) Var Eagle (Ida.) Stag Mountain (Nev.) 2/1 24 6.2 6.3 1/27 8 1.9 4.2 2.6 h 1/27 12 2.7 7.8 4.4 m 4.4 m 4.4 m Meacham Tollgate Weston Mountain 1/30 19 5.0 18.6 8. 1/30 - 4.2 21.2 1/29 10 2.4 16.1 6. 1/30 27 7.5 32.3 15. 1/30 T 1/30		1	24	6.4		1 1			-	9.2		
Stinking Water Succor Creek (Ida.) Taylor Canyon (Nev.) Toe Jam (Nev.) Triangle (Ida.) Trout Creek 1/27 27 7.0 4.8 3.7 m 1/27 4 0.8 2.4 0.8 m 1/27 27 7.0 4.8 3.7 m 1/27 21 5.5 5.9 War Eagle (Ida.) War Eagle (Ida.) Vaught Ranch (Ida.) Valueky Strike Pillow* Meacham Tollgate Newston Mountain *Manometer Reading. *Manometer Reading. *Manometer Reading.		1					Lucky Strike	1/30	19			
Taylor Canyon (Nev.) Toe Jam (Nev.) Tremewan Ranch (Nev.) Triangle (Ida.) Trout Creek (Ida.) Trout Creek (Ida.) Vaught Ranch (Ida.) War Eagle (Ida.) Taylor Canyon (Nev.) 1/31 21 5.5 5.4 3.6 7.7 7.5 32.3 15. Tollgate Weston Mountain 1/30 7 7.5 32.3 15. Tollgate Weston Mountain *Manometer Reading. *Manometer Reading.	Stinking Water	1/27	7 8	1.9	4.2	2.6h	Lucky Strike Pillow*					
Toe Jam (Nev.) Tremewan Ranch (Nev.) Triangle (Ida.) Trout Creek 1/27 27 7.0 4.8 3.7 m ''V'' Lake 1/27 21 5.5 5.9 War Eagle (Ida.) Weston Mountain 1/30 T T 0.4 1. *Manometer Reading. *Manometer Reading.	Succor Creek e (Ida.)								1			
Tremewan Ranch (Nev.) Triangle (Ida.) Trout Creek "V" Lake Vaught Ranch (Ida.) Var Eagle (Ida.) Trout (Id										1		
Triangle (Ida.) Trout Creek 1/27						$\begin{vmatrix} - & -1 \\ 1 & 2h \end{vmatrix}$		1/30	1	1	0.4	1.
Trout Creek e												
1/27 15 3.4 9.9 2.5 m	Trout Creek e						_					
War Eagle (Ida.) 1/27 60 16.8 20.7	''V'' Lake ^e	1/27	7 15	3.4	9.9	2.5						
*Manometer Reading.	Vaught Ranch (Ida.) War Eagle (Ida.)											
	*Manometer Reading.											

BASIC DATA SUPPLEMENT 1 FEBRUARY 1, 1973

SNOW	TH	IIS YE	AR		REC.	SNOW	TI	HIS YE	AR	PAST	
DRAINAGE BASIN and/or SNOW COURSE			Water Cont.	Water Content (inches) Last Ave i		DRAINAGE BASIN and/or SNOW COURSE	of	Snow Depth	Cont.	Water (incl	hes)
	Survey	(In.)	(In.)	Yr.	Ave		Survey	(In.)	(ln.)	Last Yr.	Ave
UPPER JOHN DAY	WATER	 SHED	S			HOOD, MILE CREEKS,	LOWE!	l l R DES	CHUTE	 ES	
Anthony Lake	1/30	1		28.6	16.4	WATERSH					
Arbuckle Mountain	1/31			17.1	7.2	Brooks Meadows	С				
Arbuckle Mtn. Pillow*	1/31	-		27.8		Clear Lake	1/26			15.6	5.
Battle Mountain Summit	1/29		T		1.8 7	Clear Lake (Experimental)	1/26			21.2	9.
Beech Creek Summit	1/31		2.5		1 1	Cooper Spur #2 Greenpoint	1/30			13.5	8.
Blue Mountain Springs Blue Mtn. Springs Pillow*	1/30			13.7	10.4	Knebal Springs	1/25 c	15	3.5	20.0) 9
Blue Mountain Summit	1/30			11.2		Parkdale	1/31	2	0.2	0.2	0.
Butte Creek Summit	Ь					Phlox Point	1/26			82.4	
Derr	1/31			10.7	1	Red Hill	1/30				23
Gold Center Indian Creek Butte ^e	1/29	1		14.2 25.0	8.2	Still Creek Still Cr. Alt. #2	1/26			32.3	13
Izee Summit	1/29		3.8		1	Switchback	2/1	21		16.2	9
Lucky Strike	1/30			18.6	8.0 h	Tilly Jane	1/28	1 1		48.1	
Lucky Strike Pillow*	1/30	-	4.2			Ulrich Ranch Junction	С				
Marks Creek	1/29		0.3		3.1	Umbrella Falls	C 1 /70		, ,	98.8	2
Ochoco Meadows Olive Lake ^e	1/30	15	3.6	12.6		Upper Valley	1/30	6	1.1	2.5	2
Schoolmarm	2/1 1/31	6	0.8		3.6						
Snow Mountain	1/31	1 1		16.2	8.6h						
Snow Mtn. Pillow**	2/2	-		15.2		WILLAMETTE W	ATERS	HEDS			
Starr Ridge	1/31		2.4		4.1^h				11 7	77 0	110
Tipton	1/30				6.9	Cascade Summit Champion	1/31 1/30	1 1		33.9	
Tipton Snow Pillow* Williams Ranch	1/30 b	-	7.5	4.3	, ,	Clackamas Lake	c 1/30	30	0.5	40.5	
. Karen				110		Clear Lake	1/26	6	1.4	15.6	
*Manometer reading						Clear Lake (Expt.)	1/26			21.2	
**Telemetry reading					1	Dead Horse Grade	2/1	19		26.7	
·						Detroit (Town) Detroit Dam	1/31 1/31	0		1	
						Golden Curry Creek	1/31	1			
UPPER DESCHUTES	 MATE	DCHE	DC			Hogg Pass	1/31	42	10.6	51.1	
OFFER DESCRIPTED			100			Lake Harriet	2/1	0	0.0	3.6	2
Bald Peter	1/31		10.9			Laurel Mountain	1/31			24.8	
Caldwell Ranch	1/31	21	5.2	9.9	8.4h	Layng Creek Lookout Point Dam	1/30 1/31				
Cascade Summit Chemult	1/31			33.9	19.1	Lost Creek Ranch	2/1	3	1.0		
Chemult Alternate	1/31				1	Lund Park	1/30	Т		0.4	0
Derr	1/31	24	6.0	10.7	6.6	Marion Forks	1/31			15.5	8
Hogg Pass	1/31			l .	25.6	Marys Peak	1/31			26.7	
Hungry Flat	1/29	7				Marys Peak (Alt.)	1/31		4./ T	26.1	
Irish-Taylor Pillow** Marks Creek	2/2 1/29	3		6.9	24.0	McCredie Springs McKenzie	$\frac{1}{31}$	50	_	58.5	
New Crescent Lake	1/29				10.5	McKenzie Bridge	2/1	0	0.0	0.0	
New Dutchman Flat #2	1/29	61	24.4	63.3	31.8	Mill City	1/31		_		
Ochoco Meadows	1/30				6.6	Oakridge	1/31	0	0.0	1	1
Racing Creek	1/31			16.2		Peavine Ridge Pillow** Phlox Point	2/2 1/26	57			
Snow Mountain Snow Mtn. Pillow**	1/31 2/2	32		15.2		Railroad Overpass	1/31		0.2		
Tamarack	1/30	8			1 1		Ь			28.6	
Tangent	1/29	35			15.4	Salt Creek Falls	1/31				
Three Creek Butte	1/26			14.3			1/31	31	6.6	33.6	
Three Creek Meadow	1/26	22	6.3	21.7	12.3	Seine Creek Pillow** Still Creek	b 1/26	22	6.0	8.4	
Three Creek Mdw. Pillow** Waldo Lake	2/2 1/31	41			19.7	Still Creek Alt. #2	1/26			30.9	
Willamette Pass	1/30				26.2	Timothy Lake	2/1	16	3.5	20.5	6
Willamette Pass Pillow**	ь					Valsetz Summit	1/31			1	
						Vida	2/1	41		37.4	
**Telemetry reading						Waldo Lake Weaver Creek	1/31				
						White Branch Slide	2/1	1		11.6	
						Whitewater Bridge	1/31	5	1.4	9.3	3
						Willamette Pass	1/30	56	16.6	43.8	26
						Willamette Pass Pillow**	Ь				-
						**Telemetry reading					
	1	(1	1

BASIC DATA SUPPLEMENT 1 FEBRUARY 1, 1973

SNOW	THIS YEAR PAST REC.			PAS	T REC.	SNOW	TI	HIS YE	PAST REC.		
DRAINAGE BASIN and/or SNOW COURSE		Snow	Water Cont	(inc	Content thes)	DRAINAGE BASIN and/or SNOW COURSE		Snow	Water Cont.	Water (Content hes)
	Survey		(ln.)	Last Yr.	Avei	STATINGE BASIN and SINGIN COURSE	Survey		(In.)	Last Yr.	Ave. i
ROGUE, UMPQUA	WATER	SHED	5			KLAMATH WAT	ERSHE	DS			
Althouse	1/30	25	6.3	6.0	5.0	Annie Spring	1/31	83	26.7	38.3	27.8
Althouse #2	1/30	26	6.2	8.4		Billie Creek Divide	1/29	39	12.2	31.3	14.2
Annie Spring Beaver Dam Creek	1/31 1/30	83 26		15.7	27.8 8.1 ^m	Chemult (Alternate)	1/31	23 27	5.8	11.0	8.4
Big Red Mountain	1/27	52	13.2	25.6	19.8	Chiloquin (PP&L)	Ь		•		1.7
Billie Creek Divide Caliban	1/29		12.2 17.8	31.3	$\begin{vmatrix} 14.2 & h \\ - & - \end{vmatrix}$	Cold Springs Camp Cold Springs Camp Pillow**	1/26 2/2	61	18.7	39.7	21.9
Champion	1/30	36	8.3	1	16.4	Crazyman Flat	1/26	18	15.5	12.0	6.5
Cold Springs Camp	1/26	61	18.7	39.7	$ 21.9^{h}$	Crowder Flate (Calif.)	1/26	4	0.9	3.3	3.0
Cold Springs Camp Pillow** Deadwood Junction	2/2 1/30	19	15.5 5.7		$\begin{vmatrix} - & - \\ 6.3 & 1 \end{vmatrix}$	Crystal (PP&L) Diamond-Crater Summit	1/30	14 55	5.5 15.4	6.5	7.1
Diamond-Crater Summit	1/29		15.4		22.7 ^h	Diamond-Crater Sum. Alt.	1/29	50	13.4	34.8	
Diamond-Crater Sum. Alt.	1/29		13.4		1 1	Diamond Lake Jct. (97)	1/29	12	2.0	5.8	4.7
Diamond Lake Fish Lake	1/29	30 26	8.0	16.8	14.6 9.8 m	Dog Hollow ^e Finley Corrals ^e	1/26	4 40	0.9	1.2	1.2
Fourmile Lake	c c		, • '		17.0 <i>h</i>	Fort Klamath (PP&L)	1/30	4	1.2	2.4	3.8
Grayback Peak	1/24	34	8.3	1	18.6 6.4	Fourmile Lake Gerber	c 2/1	A	1 0	7 2	17.0
Howard Prairie Reservoir Hyatt Prairie	1/30	18	5.2	9.4	5.9 ^h	Harriman (PPGL)	2/1 1/30	12	1.0	3.2	3.6
King Mountain #1	1/30	20	4.1	8.5		Hyatt Prairie Reservoir	1/30	18	5.0	10.4	5.9
King Mountain #2 King Mountain #3	1/30	17	3.8	4.5		Kirk (PP&L) Lake of the Woods	b 1/29	14	4.1	13.3	5.8 8.4
King Mountain #4	1/30	0	0.0	0.5		Park Headquarters	1/31	100	32.3	58.1	36.5
King Mountain #5	1/30	0	0.0	0.3	1	Quartz Mountain	1/30	10	2.5	8.0	5.4
King Mountain #6 Little Red Mountain	1/30	37	0.0	T 27.4	$\begin{vmatrix} - & -1 \\ 15.2 & h \end{vmatrix}$	Quartz Mountain (Ext.) Seven Lakes #2	1/30	12 63	3.2	7.5 45.2	25.8
Mt. Ashland Switchback	1/29		16.7	31.2		Seven Mile	1/24	54	16.0	28.4	
Mule Creek	1/30	13	3.9	1	10.4	State Line (Calif.)	1/26	24		10.5	6.5. 5.4
North Umpqua Page Mountain	1/31	20 16	4.5	2.7	$\begin{vmatrix} 10.4 \\ 3.9 h \end{vmatrix}$	Strawberry Strawberry e	1/27	20	3.6	11.6	
Park Headquarters	1/31		32.3	58.1	36.5	Summer Rim e	1/26	27	7.6		9.8
Red Butte #1 Red Butte #2	1/29	20 12	5.2	21.0	. ,	Summer Rim Pillow* Sycan Flat ^e	c 1/26	12	3.1	11.3	5.7!
Red Butte #3	1/29	6	1.4	6.2	4.1^{h}	Taylor Butte	1/30	7	2.2	5.2	4.5
Red Butte #4	1/29	0	0.0	1.8							
Red Butte #5 Red Butte #6	1/29	0	0.0	0.5 T	0.6 ^m						
Seven Lakes #2	1/24	63	20.4	45.2	25.8 ^h						
Seven Mile Silver Burn	1/24		16.0	28.4 16.0		I AVE GOVERN GOOD				_	
Siskiyou Summit	1/29	21 10	1.4		6.6	LAKE COUNTY, GOOSE	LAKE V	1	RSHEDS	5	
Siskiyou Summit Alt. #2	1/30	7	0.9	6.0		Adin Mountain (Calif.)	1/31	32	8.7	14.6	7.5
Ski Bowl Road South Fork Canal	1/29 1/29	50 4	14.2	25.9 4.5		Bald Mountain (Nev.) Bear Flat Meadow ^e	<i>c</i> 1/26	20	5.2	10.5	5.8,
Trap Creek	1/31	18	4.8	16.0	8.6 h	Camas Creek	1/31	20	4.6	13.8	7.3
Whaleback	1/31	56	15.9	33.5	21.7^{h}	Cedar Pass (Calif.) Colvin Creek	1/31 1/26	40 12	9.8	18.4	9.5
**Telemetry reading						Cox Flat ^e	1/26	12	3.1	9.0	5.3
						Crowder Flat (Calif.)	1/26	4	0.9	3.3	3.0 ⁿ 9.1 ⁿ
		İ				Dismal Swamp ^e (Calif.) Finley Corrals ^e	1/26	45	12.6	20.5	10.4
						Hart Mountain ^e	1/26	5	1.1	1.2	1.0
						Little Bally Mtn. ^e (Nev.)	1/26 c	12	3.1	3.0	1.9"
						North Star (Calif.) Patton Meadows ^e	1/26	36	10.1		
						Quartz Mountain	1/30	10	2.5	8.0	5.4
						Quartz Mountain (Ext.) Sherman Valley ^e	1/30 1/26	12 20	3.2	7.5 12.5	 6.9 ^m
						Silver Creek	1/30	3	0.9	2.8	2.9
						State Line ^e (Calif.)	1/26			10.5	6.5. ⁿ 5.4 ^h
						Strawberry Strawberry ^e	1/27	20	4.9	10.5	5.4
						Summer Rim ^e	1/26	27		14.8	9.8
						Summer Rim Pillow* Sycan Flat ^e	c 1/26	12	7 1	11.3	5.7
						Willow Creek e	1/26	9	2.0	6.3	2.9
						*Manometer reading					
						Manufect reading					

BASIC DATA SUPPLEMENT 1 FEBRUARY 1, 1973

WONS	THIS YEAR				F REC.	SNOW	THIS YEAR			PAST REC.		
DRAINAGE BASIN and/or SNOW COURSE		Snow Depth (In.)			Content hes)	DRAINAGE BASIN and/or SNOW COURSE		Depth	Water Cont. (In.)	Water ((incl Last Yr.	hes)	
HARNEY BASIN		1)S			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				11.		
Blue Mountain Springs	1/30			18.1	10.4							
Blue Mtn. Springs Pillow*	1/30 1/27		8.2	13.7	$\begin{vmatrix} i \\ 1.6 \end{vmatrix}$							
Buck Pasture ^e Buckskin Lake ^e	1/27		0.0		0.8^{m}							
Call Meadow ^e	1/27	12	2.7	2.4	2.1 "							
Delintment Lake Denio Creek ^e	1/31 1/27	16 3	2.5 0.6		$\begin{array}{c c} 5.1 & h \\ 0.6 & \tilde{m} \end{array}$							
Disaster Peak (Név.) Emigrant Butte	c 1/30	3	1.0	5.4	2.8 ^h							
Fish Creek	С											
Fish Creek ^e	1/27	60	16.8	25.5	$ 14.4^{h}$							
Fish Creek Pillow* Hart Mountain ^e	c 1/26	5	1.1	1.2	1.0 m							
Idlewild Camp	1/30		1.4		3.8							
[dlewiļd Camp (Alt.)	1/30	4		11.9								
Izee Summit	1/29			8.8	5.7^h							
Lake Creek R. S.	1/30			12.0	7.0 h							
Oregon Canyon ^e Rock Spring	1/27 1/29		7.0 4.0		3.2 ^m 3.8							
Silvies	c c		4.0	0.3	3.0							
Silvies ^e	1/27	12	2.7	10.8	6.4 h							
Silvies Pillow*	с	!		:								
Snow Mountain	1/31	32		16.2	8.6 h							
Snow Mountain Pillow**	2/2 1/31	12	11.7	8.2	$\begin{vmatrix} i \\ 4.1 h \end{vmatrix}$							
Starr Ridge Stinking Water	1/31		1.9		2.6 h							
Frout Creek	1/27		7.0		$3.7^{\dot{m}}$							
'V'' Lake ^e	1/27		3.4		2.5 m				i			
flow. (e) Aerial sno (h) 1953–67 adjusted	w dept. averag	h gage e. (i)	e, wate 1953-	r conte -67, 15	nt estim year av	report. (c) Not scheduled. (d) Correc ated. (f) Nearest current data. (g) Pa erage. (j) Telephonic report – data not or 5 or more years in base period.	tly est	imate				

BASIC DATA SUPPLEMENT 2 FEBRUARY 1, 1973

SOIL MOISTURE

OWYHEE, MAI 7800 6700 5900 5375 4450 6800 4390 5500 6800 6200 5150	72 48 42 48 30 48 48 36 42 48	Capacity ERSHEDS 16.8 16.7 16.9 18.2 12.5 8.6 19.3 10.0	c 1/29 1/30 c c	This Year 12.5 6.2	12.3 6.1	Average 1 15.6 9.2
7800 6700 5900 5375 4450 6800 4390 5500 6800 6200	72 48 42 48 30 48 48 36 42	16.8 16.7 16.9 18.2 12.5 8.6 19.3	1/29 1/30 c c			
7800 6700 5900 5375 4450 6800 4390 5500 6800 6200	72 48 42 48 30 48 48 36 42	16.8 16.7 16.9 18.2 12.5 8.6 19.3	1/29 1/30 c c			
6700 5900 5375 4450 6800 4390 5500 6800 6200	48 42 48 30 48 48 36 42	16.7 16.9 18.2 12.5 8.6 19.3	1/29 1/30 c c			
5900 5375 4450 6800 4390 5500 6800 6200	42 48 30 48 48 36 42	16.9 18.2 12.5 8.6 19.3	1/30 c c			
5375 4450 6800 4390 5500 6800 6200	48 30 48 48 36 42	18.2 12.5 8.6 19.3	c c			
4450 6800 4390 5500 6800 6200	30 48 48 36 42	12.5 8.6 19.3				
4390 5500 6800 6200	48 36 42	19.3	С	(
5500 6800 6200	36 42	1	-			
6 800 6200	42	10.0	1/26	15.4	16.2	
6200		10.0	1/30	9.4		
	48	11.0	1/29	7.0	6.4	10.7
5150		15.1	b		10.0	13.4
	48	16.6	С			
				:		
DER, PINE, GR	ANDE ROND	E, IMNAHA	WATERSHEDS	;		
5100	36	16.8	1/30	8.8	9.1	9.9
						3.4
						18.3
						9.9
						19.7
30 /0	40	23.0	1/30	13.4	15.4	15.7
MALIA MILLON	I POCY I	OMED TOHN	DAV MATER	CUEDC		
1		1 1			12.0	12.7
		1				12.3
						19.7
1		1			10.0	10.7
		1				12.3
						9.2
						9.9
1		, ,				
						10.1
						13.8
5150	36	10.6	1/31	8.7	10.3	9.1
4500	42	17.9	1/31	16.3	17.9	17.2
PER DESCHUTES	, CROOKEI	WATERSHED)S			
5670	24	9.0	1/31	5.6	7.5	
4540	36	14.1	1/29	9.2		10.1
6300	48	16.7	1/31	12.4	12.9	13.8
IILE CREEKS. I	OWER DESC	 CHUTES WATE	ERSHEDS			
		1 1		14 2	14.2	
3450	12	20.4	2/1	17.2	1,12	
KLAMATH	I WATERSHE	EDS				
5230	48	15.3	1/30	7.9	8.2	8.3
	5100 5430 3925 3730 5850 5070 WALLA, WILLOW 4340 43925 5070 UPPER JOHN 4340 4800 5900 5100 5670 4540 6300 5150 4500 PER DESCHUTES 5670 4540 6300 MILE CREEKS, I	\$100 36 340 36 3925 48 3730 48 5850 36 5070 48 48 3925 48 3925 48 5070 48 48 4800 48 4800 48 48	\$100	\$100	\$430	\$100

BASIC DATA SUPPLEMENT 2

FEBRUARY 1, 1973

SOIL MOISTURE

	DRAINAGE BASIN and/or STATION					Moisture (In	ches)
Name	Elevation	Depth	Capacity	Date of Survey	This Year	Last Year	Average
		T					
	LAKE COUNTY,	GOOSE LAKE I	WATERSHE	DS I			
Camas Creek	5720	42	14.5	1/31	12.5	12.0	11.7
Quartz Mountain	5230	48	15.3	1/30	7.9	8.2	8.3
	HARNEY B	ASIN WATE	 RSHEDS				
Blue Mountain Spring	5900	42	16.9	1/30	6.2	6.1	9.2
Fish Creek Folly Farm	7900 4450	48	15.0 12.5	c c			
Silvies	6900	48	16.4	c			
Snow Mountain	6300	48	16.7	1/31	12.4	12.9	13.8
Starr Ridge Willow-Bald	5150 5000	36 24	10.6	1/31 1/30	8.7 4.2	10.3 4.5	9.1
		+					
]		
					} 		
					1		

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report — data not confirmed. (k) Data from PP&L Co. or USBK records. (m) Average for 5 or more years in base period.

BASIC DATA SUPPLEMENT 3

FEBRUARY 1, 1973

CIPITATION (Inches)	CURRENT IN	FORMATION \	PAST RECORD			
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Precip- itation	Last Year	Average	
rbuckle Mountain (Morrow County)	5400	10/27 to	100=			
amas Creek (Lake County)	5825	1/31/73 12/29 to	10.05			
ounty Line (Umatilla CountyStarkey)	4800	1/31/73 12/29 to	3.30	5.35		
err (Wheeler County)	5800	1/31/73 11/13 to	2.20			
ucky Strike (Umatilla County)	5050	1/31/73 10/27 to	5.25			
uartz Mountain (Lake County)	5300	1/30/73 12/29 to	8.00			
ilver Creek (Lake County)	4900	1/30/73 12/29 to	0.80			
trawberry (Lake County)	5760	1/29/73 10/18 to	2.29			
	. 5800	1/27/73 1/14 to	10.75			
		1/30/73	4.00			

⁽a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1953-67 adjusted average. (i) 1953-67, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.



N.MPSY	NAME LOCATION ELEV	NUMBER NAME	LOCATION ELEV SEC TAP AGE	NUMBER NAME	LOCATION ELEV	NUMBER	NAME	LOCATION ELEV	NUMBER	NAME SEC THE ROLL	NUMBER	NAME LOCATION ELEV	NUMBER NAME LOCATION ELEV
1666 1669a 15H1MA 15HMP		16H3AP Midas 16G7MP Mud Flat 17G5a Oregon Canyon 17H6a Quinn Ridge 16G1la Red Canyon 15H6MP Rodeo Flat 15H3A 76 Creek 16F3AP* Silver City	(Nev) 18 39N 46E 7200 (1da) 34 9S 2W 5500 8 40S 40E 6950 (Nev) 9 47N 41E 6300 (1da) 32 11S 4W 6650 (Nev) 36 43N 53E 6800 (Nev) 6 44N 58E 7100 (1da) 6 5S 3W 6400	18E20 Eldorado Pass 18E26a Flag Prairie 18E18 Lake Creek 18E22a Logan Valley 18F1 Rock Spring 18E32p* S. Fk. Willow Cr. 18F4P Stinking Water	20 14S 38E 4600 32 16S 36E 4750 10 16S 33'\(\text{E}\) 5200 13 16S 33\(\text{E}\) 5100 23 18S 32E 5100 2 16S 37E 5500 34 21S 34E 4800	18E23 18E30 18E28 17D7P	Little Alps Little Antone Power Plant Taylor Green Pine Creek Schneider Meadows	10 7S 37E 6200 1 7S 37E 5000 33 7S 38E 3990 3 6S 42E 5740 35 6S 45E 5400	1902P 18E1P	Willow Creek Arbuckle Mountain 33 45 29E 5400 Anthony Lake 75 37E 7125 UPPER JOHN DAY WATERSHEDS 141 Upper John Doy River	21E6 21E4 22E3 21E5 21E3	Hogg Pass 24 13S 7'sE' 4755	2166a 009 Hollow 1 40S 14E 4900
17G2m 17H2 17H1 16G10a 16H6a 18H1 16H8a 19G2MF	Sive Mtn Pass 31 37S 42E 5290	1861MPA Silvies South Mountain No 15H19a Stag Mountain No 16F6a Succor Creek Taylor Canyon 16H7a Toe Jam 15H8 Tremewan Ranch 16G4MA Triangle 1865a Trout Creek	35 32S 33E 6900 3.2(Ida) 10 8S 5M 6340 (Nev) 32 41N 58E 7800 (Ida) 25 3S 5W 6100 (Nev) 35 39N 53E 6200 (Nev) 29 40N 50E 7700 (Nev) 9 39N 55E 5700 (Ida) 25 7S 3W 5150 (Ida) 25 7S 3W 5150	BURNT, POWDER, PINE, C RONDE, IMNAHA WATER 8urnt River 18613M Blue Mountain Summit 1761MP Quoley Mountain	5HEDS 121 6 12S 36E 5098 32 11S 40E 5430	1701 1702P 18E1P 17010a 18D9 1808P 1806P	Gronde Ronde R Aneroid Lake No. 1 Aneroid Lake No. 2 Anthony Lake 8ald Mountain 1 8eaver Reservoir County Line Lucky Strike	16 4S 45E 7480 16 4S 45E 7300 18 7S 37E 7125 4 & 15 4S 41E 6700 8 5S 37E 5150 28 4S 34E 4800 28 3S 32E 5050	1902P 18012MP 19E2M 18E16MP 18E13M 19E3MP 18E27a 18E8	8lue Mountain Summit 123 36E 5098 0err 14 138 23E 5670 East Fork Canyon 21 98 36E 5340 661 d Center 25 36 36E 5340	2168 2264 2167 2265 2266 2169	Oead Horse Grade 13 16S 7E 3700 Lost Creek Ranch 19 16S 7E 1956 McKenzie 35 15S 7N:e 4800 McKenzie Bridge 13 16S 5E 1372 Vida 28 16S 2E 800 White Branch Slide 15 16S 7E 2700 Middle Fork Willomette River	20664P Quartz Mountain 2 38S 16E 5320 22611 Seven Lakes No. 2 26 33S 5E 6200 22633 Seven Mile 20 33S 6E 5725 20H1a State Line (Cal) 21 48N 11E 5750 2069AP Strawberry 4 40S 16E 5760 2062AP Summer Rim 23 33S 16E 7100 20613a Sycan Flat 25 31S 14E 5500 2163P Taylor Butte 21 33S 11E 5100
1963m 15H2 15H7 15H5 17H4 16G5a 16H1M 16H2A	Folly Farm Summit 9 305 386 4450 Fox Creek (Nev 33 46h 586 6800 6707 (Nev) 31 43N 546 6700 6701 6708 6707 6700 6701 6708 6700 6701 6708 6708 6708 6708 6708 6708 6708 6708	1867a "Y" Lake 16612a Yaught Ranch 16613a War Eagle Molheu 18616MP Blue Mountain Spi 1866a 8uck Pasture	ings 21 155 3SE 5900 28 295 35E 5300	18E20 Eldorado Pass 18E8 Gold Center 18E9P Tipton Powder River 18E1P Anthony Lake 18E5 Bourne 17E1MP Opoley Mountain	20 14S 38E 4600 21 9S 36E 5340 34 10S 35E 5100 18 7S 37E 7125 33 8S 37E S800 32 11S 40E S430	1805 18020 17013a 17064 1807 17011a 1707P 1803M 17016a	Meacham Meacham Snow Pillow Mirror Lake Moss Spring Schoolmarm Standley Taylor Green Tollgate TV Ridge No. 2	24 1S 35E 4300 35 1S 35E 4150 34 4S 44E 8200 28 3S 41E 5850 28 4S 34E 4775 21 2S 42E 7400 3 6S 42E 5740 32 4N 38E 5070 12 2S 43E 7000	18E24a 19E9P 1806P 20E1MP 20E2 18E7a 1807 19F1M*	Indian Cr. 8utte	22F3 22F8 22F6 22F7 22F5 22F4 22F2P 22F14*	Cascade Summit	Pocific Power and Light Company's Snow Station 3 Chiloquin (PP&L) 34 34S 7E 4187 4 Crystal (PP&L) 26 34S 6E 4200 5 Fort Klamath (PP&L) 22 33S 7½ 4150 8 Harriman Lodge (PP&L) 3 36S 6E 4200 6 Kirk (PP&L) 1 33S 7E 4533
1763m 1665 1766a 1764a 1743 15620a	Laurel Draw (Nev) 20 4SN S3E 67D0 Lookout Butte 2 40S 47E 5650 Louse Canyon 27 40S 44E 6440 Martin Creek (Nev) 18 44N 40E 6700	18621a Bully Creek 18F7a Call Meadows 17F2a Cottonwood-Indian 18E19M Crane Prairie	11 175 37E 5300 29 20S 33E 5340 3 19S 39E 4320 24 16S 34E S375	18E3 Eilertson Meadows 18E8 Gold Center 18E6A Goodrich Lake 18E29 Intake House 17012m Ladd Summit	18 8S 38E 5400 21 9S 36E 5340 4 9S 38E 6775 5 8S 38E 4930 5 5S 39E 3730	1701 1702P 17014a	Imnoha Rive Aneroid Lake No. 1 Aneroid Lake No. 2 8ig Sheep JMATILLA, WALLA WALLA,	16 4S 45E 7480 16 4S 45E 7300 33 4S 46E 6200	18E9P 18E25MP		22F9 22F10 22F13 22F12 22F11	Coost Fork Willometfe River	LAKE COUNTY, GOOSE LAKE WATERSHEDS (III) Goose Loke 20615a Bear Flat Headow 27 365 19F 5900
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The Following Organizations Cooperate in the Oregon Snow Survey Work

STATE

Idaho Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon State University
Oregon State Engineer and Corps of State Watermasters
Oregon State Highway Engineers

Soil and Water Conservation Districts of Oregon

COUNTY

Douglas County Water Resources Survey FEDERAL

Department of Agriculture
Cooperative Extension Service
Forest Service
Soil Conservation Service
Department of Commerce
NOAA, National Weather Service
Department of the Interior
Bonneville Power Administration
Bureau of Land Management

Bonneville Power Administration
Bureau of Land Management
Bureau of Reclamation
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National Park Service

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City of Baker City of La Grande City of The Dalles City of Walla Walla

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The Crag Rats, Hood River, Oregon

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE 1218 S.W. WASHINGTON ST. PORTLAND, OREGON 97205

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